SAMSUNG

BD-F5100

Blu-ray™ Disc Player

user manual

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www.samsung.com/register

ENGLISH

Safety Information

Warning

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK).
NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.	**CAUTION**: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	This symbol indicates important instructions accompanying the product.

Do not install this equipment in a confined space such as a bookcase or similar unit.

WARNING

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

CAUTION

Blu-ray Disc Player USES AN INVISIBLE LASER BEAM WHICH CAN CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE Blu-ray Disc Player CORRECTLY AS INSTRUCTED.

CAUTION

THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

This product satisfies CE regulations when shielded cables and connectors are used to connect the unit to other equipment.
To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

IMPORTANT NOTE

The mains lead on this equipment is supplied with a molded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug.
If it requires replacing, a fuse approved to BS1362 of the same rating must be used.

Never use the plug with the fuse cover omitted if the cover is detachable. If a replacement fuse cover is required, it must be of the same color as the pin face of the plug. Replacement covers are available from your dealer.

If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.

However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a mains jack, as there is a risk of shock hazard from the bared flexible cord.

To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

The product unit accompanying this user manual is licenced under certain intellectual property rights of certain third parties.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product. Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION :

- CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO THE BEAM (IEC 60825-1)
- THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVER AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CLASS 1	**LASER PRODUCT**
KLASSE 1	**LASER PRODUKT**
LUOKAN 1	**LASER LAITE**
KLASS 1	**LASER APPARAT**
PRODUCTO	**LÁSER CLASE 1**

Precautions

Important Safety Instructions

Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below.
Keep these operating instructions handy for future reference.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including AV receivers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where it exits the apparatus.
11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Disc Storage & Management

- Holding Discs
  - Fingerprints or scratches on a disc may reduce sound and picture quality or cause skipping

  - Avoid touching the surface of a disc where data has been recorded.
  - Hold the disc by the edges so that fingerprints will not get on the surface.
  - Do not stick paper or tape on the disc.
- Cleaning Discs
  - If you get fingerprints or dirt on a disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

  - When cleaning, wipe gently from the inside to the outside of the disc.
- Disc Storage
  - Do not keep in direct sunlight.
  - Keep in a cool ventilated area.
  - Keep in a clean protection jacket and store vertically.

Handling Cautions

- Do not expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases on the apparatus.
- To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.
- Do not plug multiple electric devices into the same wall socket. Overloading a socket can cause it to overheat, resulting in a fire.
- Maintenance of Cabinet.
  - Before connecting other components to this player, be sure to turn them off.
  - If you move your player suddenly from a cold place to a warm place, condensation may occur on the operating parts and lens and cause abnormal disc playback. If this occurs, unplug the player, wait for two hours, and then connect the plug to the power outlet. Then, insert the disc, and try to play back again.
- If the product makes an abnormal noise or produces a burning smell or smoke, turn off the power switch immediately and disconnect the power plug from the wall outlet. Then, contact the nearest customer service centre for technical assistance. Do not use the product. Using the product as it is may cause a fire or an electric shock.

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Getting Started

Before using the User Manual

Disc Types and Contents your player can play

Media	Disc Type	Details
VIDEO	Blu-ray Disc	BD-ROM or BD-RE/-R recorded in the BD-RE format.
	DVD-VIDEO DVD-RW DVD-R DVD+RW DVD+R	DVD-VIDEO, recorded DVD+RW/DVD-RW(V)/DVD-R/+R that have been recorded and finalized, or a USB storage media containing DivX, MKV or MP4 contents.
MUSIC	CD-RW/-R, DVD-RW/-R, BD-RE/-R	Music recorded on CD-RW/-R, DVD-RW/-R, BD-RE/-R or a USB storage media containing MP3 or WMA contents.
PHOTO	CD-RW/-R, DVD-RW/-R, BD-RE/-R	Photos recorded on CD-RW/-R, DVD-RW/-R, BD-RE/-R or a USB storage media containing JPEG contents.

✎ **NOTES**

- The player may not play certain CD-RW/-R and DVD-R because of the disc type or recording conditions.
- If a DVD-RW/-R has not been recorded properly in DVD video format, it will not be playable.
- Your player will not play content that has been recorded on a DVD-R at a bit-rate that exceeds 10 Mbps.
- Your player will not play content that has been recorded on a BD-R or USB device at a bit rate that exceeds 25 Mbps.
- Playback may not work for some types of discs, or when you use specific functions, such as angle change and aspect ratio adjustment. Information about the discs is written in detail on the disc box. Please refer to this if necessary.
- When you play a BD-J title, loading may take longer than a normal title or some functions may perform slowly.

Disc types your player cannot play

- HD DVD
- DVD-ROM/PD/MV, etc
- DVD-RAM
- Super Audio CD (except CD layer)
- DVD-RW (VR mode)
- CVD/CD-ROM/CDV/CD-G/CD-I/LD (CD-Gs play audio only, not graphics.)
- 3.9 GB DVD-R for Authoring.

Region Code

Both players and discs are coded by region.

These regional codes must match for a disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is displayed on the rear panel of the player.

Disc Type	Region Code	Area
Blu-ray Disc	A	North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia.
	B	Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.
	C	India, China, Russia, Central and South Asia.
DVD-VIDEO	1	The U.S., U.S. territories and Canada
	2	Europe, Japan, the Middle East, Egypt, South Africa, Greenland
	3	Taiwan, Korea, the Philippines, Indonesia, Hong Kong
	4	Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean
	5	Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia
	6	China

Logos of Discs the player can play

Blu-ray Disc	BD-LIVE
DivX	NTSC broadcast system in U.S.A, Canada, Korea, Japan

Supported File Formats

Notes on the USB connection

- Your player supports USB storage media, MP3 players, digital cameras, and USB card readers.
- The player does not support folder or file names longer than 128 characters.
- Some USB/External HDD/digital camera devices may not be compatible with the player.
- Your player supports the FAT16, FAT32, and NTFS file systems.
- Connect USB devices directly to the player's USB port. Connecting through a USB cable may cause compatibility problems.
- Inserting more than one memory device into a multi-card reader may cause the reader to operate improperly.
- The player does not support the PTP protocol.
- Do not disconnect a USB device during a "loading" process.
- The bigger the image resolution, the longer the image takes to display.
- This player cannot play MP3 files with DRM (Digital Rights Management) downloaded from commercial sites.

- Your player only supports video with a frame rate under 30fps (frames per second).
- Your player only supports USB Mass Storage Class (MSC) devices such as thumb drives and USB HDD. (HUB is not supported.)
- Certain USB HDD Devices, multi-card readers and thumb drives may not be compatible with this player.
- If some USB devices require excessive power, they may be limited by the circuit safety device.
- If playback from a USB HDD is unstable, provide additional power by plugging the HDD into a wall socket.
  If the problem continues, contact the USB HDD manufacturer.
- You must remove the USB storage device safely by performing the "**Safely Remove USB**" function to prevent possible damage to the USB memory.
  Press the **HOME** button to move to the home screen, press the **YELLOW (C)** button, and then press the ⏎ button.
- SAMSUNG is not responsible for any data file damage or data loss.
- Your player does not support NTFS compressed files, sparse files, or encrypted files.
- You can repair or format a USB device on your Desktop PC. (MS-Windows OS only)

Video File Support

File Extension	Container	Video Codec	Audio Codec	Resolution
*.avi	AVI	DivX 3.11/4/5/6	MP3 Dolby Digital DTS WMA PCM	1920x1080
		MP4v3		
		H.264 BP/MP/HP		1920x1080
*.mkv	MKV	VC-1 AP	MP3 Dolby Digital DTS	1920x1080
		H.264 BP/MP/HP		1920x1080
*.wmv	WMV (wmv9)	VC-1 AP	WMA	1920x1080
		VC-1 SM		1920x1080
*.mp4	MP4	MP4 (mp4v)	AAC	1920x1080
		H.264 BP/MP/HP		1920x1080
*.mpg *.mpeg	PS	MPEG1	MP1, 2 Dolby Digital DTS	1920x1080
		MPEG2		1920x1080
		H.264 BP/MP/HP		1920x1080

- **Limitations**
  - Even when a file is encoded by a supported codec listed above, the file might not be played if its content has a problem.
  - Normal playback is not guaranteed if the file's container information is wrong or the file itself is corrupted.
  - Files having a higher Bit rate/frame rate than standard may stutter during sound/video playback.
  - The Seek (skip) function is not available if the file's index table is damaged.
- **Video decoder**
  - Supports up to H.264 Level 4.1 and AVCHD
  - Does not support H.264 FMO/ASO/RS and VC1 SP/MP/AP L4
  - MPEG4 SP, ASP :
    Below 1280 x 720 : 60 frames max
    Above 1280 x 720 : 30 frames max
  - Does not support GMC 2 or higher
- **Audio decoder**
  - Supports WMA 7, 8, 9 and STD
  - Does not support WMA sampling rate of 22050Hz mono.
  - AAC: Max sampling rate: 96Khz (8, 11, 12, 16, 22,24, 32,44.1, 48, 64, 88.2, 96)
    Max bit rate: 320kbps

Music File Support

File Extension	Container	Audio Codec	Support Range
*.mp3	MP3	MP3	-
*.wma	WMA	WMA	* Sampling rates (in kHz) - 8, 11, 16, 22, 32, 44.1, 48 * Bit rates - All bit-rates from 5kbps to 355kbps

Picture File Support

File Extension	Type	Resolution
*.jpg *.jpeg *.jpe	JPEG	15360x8640
*.png	PNG	15360x8640

AVCHD (Advanced Video Codec High Definition)

- This player can play back AVCHD format discs. These discs are normally recorded and used in camcorders.
- The AVCHD format is a high definition digital video camera format.
- The MPEG-4 AVC/H.264 format compresses images with greater efficiency than the conventional image compressing format.
- Some AVCHD discs use the “x.v.Color” format. This player can play back AVCHD discs that use “x.v.Color” format.
- “x.v.Color” is a trademark of Sony Corporation.
- “AVCHD” and the AVCHD logo are trademarks of Matsushita Electronic Industrial Co., Ltd. and Sony Corporation.

✎ NOTES

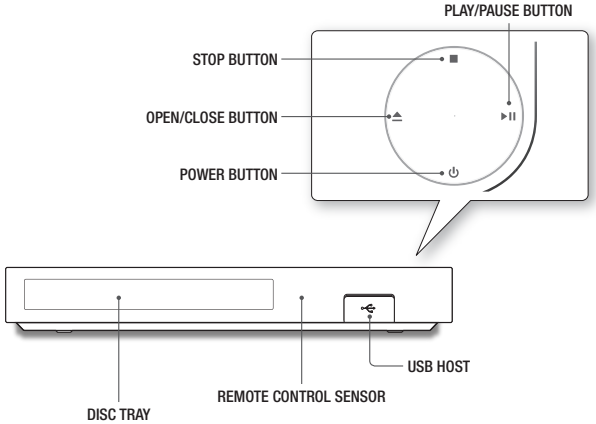
- Some AVCHD format discs may not play, depending on the recording condition. AVCHD format discs need to be finalized.
- “x.v.Color” offers a wider color range than normal DVD camcorder discs.

Accessories

Check for the supplied accessories shown below.

HDMI Cable	Batteries for Remote Control (AAA Size)	User Manual	Remote Control

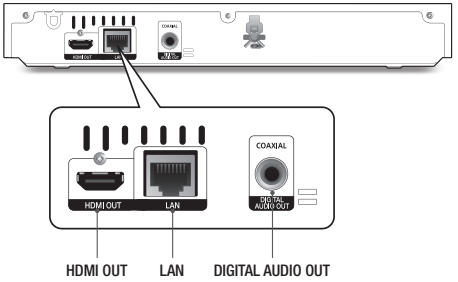
Front Panel



✎ NOTES

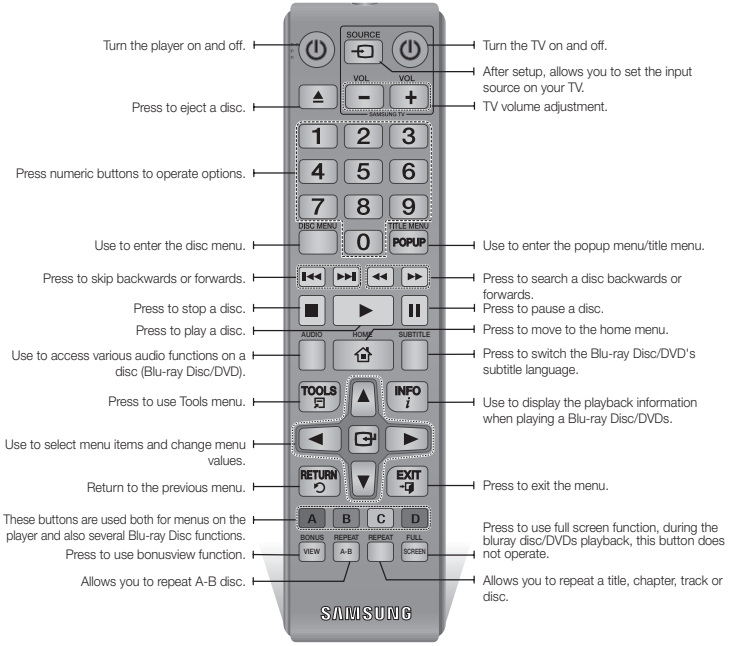
- When the player displays the Blu-ray Disc menu, you cannot start the movie by pressing the Play button on the player or the remote. To play the movie, you must select Play Movie or Start in the disc menu, and then press the ↵ button.
- You can perform software upgrades using the USB Host jack with a USB flash memory stick only.

Rear Panel

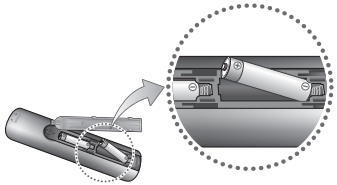


Remote Control

Tour of the Remote Control


Turn the player on and off.
Turn the TV on and off.
After setup, allows you to set the input source on your TV.
Press to eject a disc.
TV volume adjustment.
Press numeric buttons to operate options.
Use to enter the disc menu.
Use to enter the popup menu/title menu.
Press to skip backwards or forwards.
Press to search a disc backwards or forwards.
Press to stop a disc.
Press to pause a disc.
Press to play a disc.
Press to move to the home menu.
Use to access various audio functions on a disc (Blu-ray Disc/DVD).
Press to switch the Blu-ray Disc/DVD's subtitle language.
Press to use Tools menu.
Use to display the playback information when playing a Blu-ray Disc/DVDs.
Use to select menu items and change menu values.
Return to the previous menu.
Press to exit the menu.
These buttons are used both for menus on the player and also several Blu-ray Disc functions.
Press to use full screen function, during the bluray disc/DVDs playback, this button does not operate.
Press to use bonusview function.
Allows you to repeat A-B disc.
Allows you to repeat a title, chapter, track or disc.
SOURCE
VOL
DISC MENU
TITLE MENU
POPUP
AUDIO
HOME
SUBTITLE
TOOLS
INFO
RETURN
EXIT
A
B
C
D
BONUS VIEW
REPEAT A-B
REPEAT
FULL SCREEN
SAMSUNG

Installing batteries



✎ NOTES

- If the remote does not operate properly:
  - Check the polarity (+/–) of the batteries.
  - Check if the batteries are drained.
  - Check if the remote sensor is blocked by obstacles.
  - Check if there is any fluorescent lighting nearby.

! CAUTION

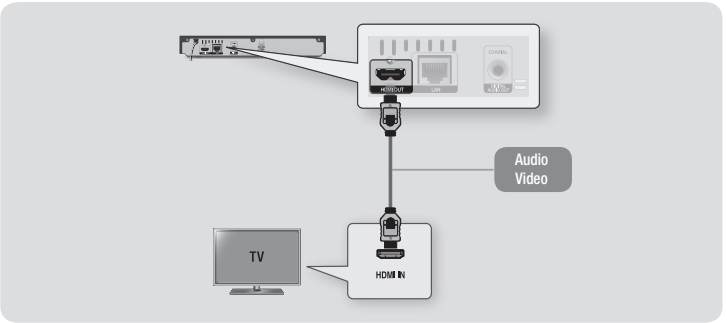
- Dispose of batteries according to local environmental regulations. Do not put them in the household trash.

Connections

Connecting to a TV

Connect an HDMI cable from the HDMI OUT jack on the back of the product to the HDMI IN jack on your TV.

- Do not connect the power cord to the wall outlet until you have made all the other connections.
- When you change the connections, turn off all devices before you start.



✎ NOTES

- If you use an HDMI-to-DVI cable to connect to your display device, you must also connect the Digital Audio Out on the player to an audio system to hear audio.
- An HDMI cable outputs digital video and audio, so you don't need to connect an audio cable.
- Depending on your TV, certain HDMI output resolutions may not work. Please refer to the user manual of your TV.
- When you connect the player to your TV using the HDMI cable or to a new TV, and then turn it on for the first time, the player automatically sets the HDMI output resolution to the highest supported by the TV.
- A long HDMI cable may cause screen noise. If this occurs, set HDMI Deep Color to Off in the menu.
- To view video in the HDMI 720p, 1080i, or 1080p output mode, you must use a High speed (category 2) HDMI cable.
- HDMI outputs only a pure digital signal to the TV.
  If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.

Connecting to an Audio System

You can connect the Blu-ray player to an audio system using one of the methods illustrated below.

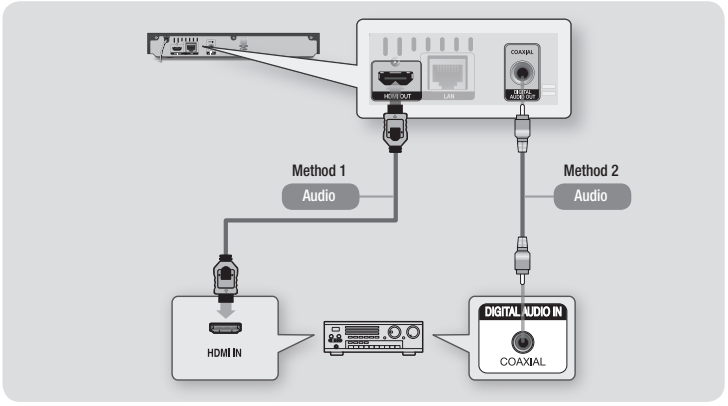
- Do not connect the power cord to the wall outlet until you have made all the other connections.
- When you change the connections, turn off all devices before you start.

Method 1 Connecting to an HDMI supported AV receiver

- Connect an HDMI cable from the HDMI OUT jack on the back of the product to the HDMI IN jack on your receiver.
- Best quality (Recommended)

Method 2 Connecting to an AV receiver with Dolby Digital or a DTS decoder

- Using a digital Coaxial cable (not supplied), connect the Coaxial Digital Audio Out jack on the product to the Digital Coaxial In jack of the receiver.
- Good quality
- You will hear sound only through the front two speakers with Digital Output set to PCM.

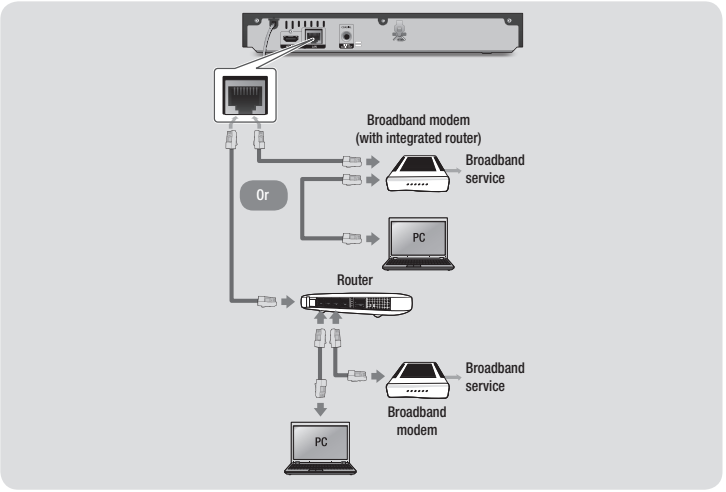


Connecting to a Network Router

You can connect your player to your network router using one of the methods illustrated below.

To use the DLNA network functionality, you must connect your PC to your network as shown in the illustrations.

Wired Network



NOTES

- Internet access to Samsung's software update server may not be allowed, depending on the router you use or your ISP's policy. For more information, contact your ISP (Internet Service Provider).
- DSL users, please use a router to make a network connection.

Settings

The Initial Settings Procedure

- The Home screen will not appear if you do not configure the initial settings.
- The OSD (On Screen Display) may change in this player after you upgrade the software version.
- The access steps may differ depending on the menu you selected.
- After the loading process of this product is finished, the panel buttons and remote control can be operated.

The Initial Settings Procedure lets you set the OSD and menu languages, configure the connection to your home network, and choose the aspect ratio output (screen size and format) that is correct for your TV.

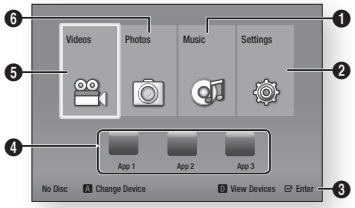
NOTES

- The Home menu will not appear if you do not configure the initial settings except as noted below.
- If you press the **BLUE (D)** button during network setup, you can access the Home menu even if the network setup is not completed yet.
- When you return to the Home menu, the full screen mode is cancelled automatically.
- If you want to display the Initial Setting screen again to make changes, press the ■ button on the front panel of the player for more than 5 seconds with no disc inserted. This resets the player to its default settings.
- After the initial settings process is complete. you can operate the HDMI-CEC function.
- If you want to use the Anynet+(HDMI-CEC) function to aid in the initial set up process, please follow the instructions below.
  1) Connect the player to an Anynet+(HDMI-CEC) compliant Samsung TV using HDMI Cable.
  2) Set the Anynet+(HDMI-CEC) feature to On in both the TV and the player.
  3) Set the TV to the Initial Settings Procedure.
- If you leave the player in the stop mode for more than 5 minutes without using it, a screen saver will appear on your TV. If the player is left in the screen saver mode for more than 25 minutes, the power will automatically turn off.

Menu Navigation

1	**HOME** Button : Press to move to the Home menu.
2	**RETURN** Button : Return to the previous menu.
3	**(Enter) / DIRECTION** Button : Move the cursor or select an item. Activate the currently selected item. Confirm a setting.
4	**EXIT** Button : Press to exit the current menu.

- **Home Menu**



1	Selects Music.
2	Selects Settings.
3	Displays the buttons you can use on the remote to access functions.
4	Selects applications.
5	Selects Videos.
6	Selects Photos.

NOTES

- The Videos, Photos, and Music options require that you have an appropriate disc inserted into the player or a USB flash device attached to the player.

Accessing the Settings Menu

To access the Settings menu and sub-menus, follow these steps:

1. Press the **POWER** button. The Home Menu appears.
2. Press the ◄► buttons to select **Settings**, and then press the (Enter) button.
3. Press the ▲▼ buttons to select the desired submenu, and then press the (Enter) button.
4. Press the ▲▼ buttons to select the desired item, and then press the (Enter) button.
5. Press the **EXIT** button to exit the menu.

NOTES

- The access steps may differ depending on the menu you selected. The OSD (On Screen Display) may change in this player after you upgrade the software version.

Display Settings

You can configure various display options such as the TV Aspect Ratio, Resolution, etc.

TV Aspect Ratio

Depending on the type of television you have, you may want to adjust the screen size setting.

NOTES

- Depending on the disc type, some aspect ratios may not be available.
- If you select an aspect ratio and option which is different than the aspect ratio of your TV screen, the picture might appear to be distorted.

BD Wise (Samsung TVs only)

BD Wise is Samsung's latest inter-connectivity feature. When you connect a Samsung player and a Samsung TV with BD Wise to each other via HDMI, and BD Wise is on in both the player and TV, the player outputs video at the video resolution and frame rate of the Blu-ray Disc/DVDs.

NOTES

- When BD Wise is on, the Resolution setting automatically defaults to BD Wise and BD Wise appears in the Resolution menu.
- If the player is connected to a device that does not support BD Wise, you can not use the BD Wise function.
- For proper operation of BD Wise, set the BD Wise menu of both the player and the TV to **On**.

Resolution

Lets you set the output resolution of the HDMI video signal to Auto, 1080p, 1080i, 720p or 480p. The number indicates the number of lines of video per frame. The i and p indicate interlaced and progressive scan, respectively. The more lines, the higher the quality.

Resolution according to the output mode

- **Blu-ray Disc/E-contents/Digital Contents playback**

Setup \ Output	HDMI / connected	
	HDMI Mode	
	Blu-ray Disc	E-contents/ Digital contents
BD Wise	Resolution of Blu-ray Disc	1080p
Auto	Max. Resolution of TV input	Max. Resolution of TV input
1080@60F (Movie Frame : Off)	1080@60F	1080@60F
Movie Frame : Auto (24Fs)	1080@24F	1080@24F
1080i	1080i	1080i
720p	720p	720p
480p	480p	480p

- **DVD playback**

Setup \ Output	HDMI / connected
	HDMI Mode
BD Wise	480i
Auto	Max. Resolution of TV input
1080p	1080p
1080i	1080i
720p	720p
480p	480p

✎ **NOTES**

- If the TV you connected to the player does not support Movie Frame or the resolution you selected, the message "If no pictures are shown after selecting 'Yes', please wait for 15 seconds to return to the previous resolution. Do you want to change the resolution?" appears. If you select Yes, the TV's screen will go blank for 15 seconds, and then the resolution will revert to the previous resolution automatically.
- If the screen stays blank after you have changed the resolution, remove all discs, and then press and hold the ■ button on the front of the player for more than 5 seconds. All settings are restored to the factory default. Follow the steps on the previous page to access each mode and select the Display Setup that your TV will support.
- When the factory default settings are restored, all stored user BD data is deleted.
- The Blu-ray Disc must have the 24 frame feature for the player to use the Movie Frame (24Fs) mode.

Movie Frame (24Fs)

Setting the Movie Frame (24Fs) feature to Auto allows you to adjust the player's HDMI output to 24 frames per second for improved picture quality.
You can enjoy the Movie Frame (24Fs) feature only on a TV supporting this frame rate. You can select Movie Frame only when the player is in the HDMI 1080p output resolution mode.

HDMI Color Format

Lets you set the color space format for HDMI output to match the capabilities of the connected device (TV, monitor, etc).

HDMI Deep Color

Lets you output video from the HDMI OUT jack with Deep Color. Deep Color provides more accurate color reproduction with greater color depth.

Progressive Mode

Lets you improve picture quality when viewing DVDs.

Audio Settings

Digital Output

Lets you select the digital audio output format that is suitable for your TV or AV Receiver. For more details, please refer to the Digital Output Selection table.

Digital Output Selection

Setup		PCM		Bitstream (Unprocessed)		Bitstream (Re-encoded DTS)	Bitstream (Re-encoded Dolby D)
Connection		HDMI Receiver	Coaxial	HDMI Receiver	Coaxial	HDMI Receiver or Coaxial	HDMI supported AV receiver or Coaxial
Audio Stream on Blu-ray Disc	PCM	Up to 7.1ch	PCM 2ch	PCM	PCM 2ch	Re-encoded DTS	Re-encoded Dolby Digital *
	Dolby Digital	PCM 2ch	PCM 2ch	Dolby Digital	Dolby Digital	Re-encoded DTS	Re-encoded Dolby Digital *
	Dolby Digital Plus	PCM 2ch	PCM 2ch	Dolby Digital Plus	Dolby Digital	Re-encoded DTS	Re-encoded Dolby Digital *
	Dolby TrueHD	PCM 2ch	PCM 2ch	Dolby TrueHD	Dolby Digital	Re-encoded DTS	Re-encoded Dolby Digital *
	DTS	PCM 2ch	PCM 2ch	DTS	DTS	Re-encoded DTS	Re-encoded Dolby Digital *
	DTS-HD High Resolution Audio	PCM 2ch	PCM 2ch	DTS-HD High Resolution Audio	DTS	Re-encoded DTS	Re-encoded Dolby Digital *
	DTS-HD Master Audio	PCM 2ch	PCM 2ch	DTS-HD Master Audio	DTS	Re-encoded DTS	Re-encoded Dolby Digital *
Audio Stream on DVD	PCM	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch
	Dolby Digital	PCM 2ch	PCM 2ch	Dolby Digital	Dolby Digital	Dolby Digital	Dolby Digital
	DTS	PCM 2ch	PCM 2ch	DTS	DTS	DTS	DTS
Definition for Blu-ray Disc	Any	Decodes main feature audio and BONUSVIEW audio stream together into PCM audio and add Navigation Sound Effects.		Outputs only main feature audio stream so that your AV receiver can decode the audio bitstream. You will not hear BONUSVIEW audio and Navigation Sound Effects.		Decodes main feature audio and BONUSVIEW audio stream together into PCM audio and add Navigation Sound Effects, then re-encodes the PCM audio into DTS bitstream	Decodes main feature audio and BONUSVIEW audio stream together into PCM audio and add Navigation Sound Effects, then re-encodes the PCM audio into Dolby Digital bitstream

* If Source Stream is 2ch, "Re-encoded Dolby D" Settings are not applied.

Blu-ray Discs may include three audio streams :

- Main Feature Audio : The audio soundtrack of the main feature.
- BONUSVIEW audio : An additional soundtrack such as the director or actor's commentary.
- Navigation Sound Effects : When you choose a menu navigation selection, a Navigation Sound Effect may sound. Navigation Sound Effects are different on each Blu-ray Disc.

✎ NOTES

- Be sure to select the correct Digital Output or you will hear no sound or just loud noise.
- If the HDMI device (AV receiver, TV) is not compatible with compressed formats (Dolby Digital, DTS), the audio signal outputs as PCM.
- Regular DVDs do not have BONUSVIEW audio and Navigation Sound Effects.
- Some Blu-ray Discs do not have BONUSVIEW audio and Navigation Sound Effects.
- If you play MPEG audio soundtracks, the audio signal outputs as PCM regardless of your Digital Output selections (PCM or Bitstream).
- If your TV is not compatible with compressed multi-channel formats (Dolby Digital, DTS), the player may output PCM 2ch downmixed audio even though you selected Bitstream (either Re-encoded or Unprocessed) in the setup menu.
- If your TV is not compatible with PCM sampling rates over 48kHz, the player may output 48kHz downsampled PCM audio even though you set PCM Downsampling to **0ff**.

PCM Downsampling

Lets you choose to have 96KHz PCM signals downsampled to 48KHz before they are outputted to an amplifier. Choose only if your amplifier or receiver is not compatible with a 96KHz signal.

Dynamic Range Control

Lets you apply dynamic range control to Dolby Digital, Dolby Digital Plus, and Dolby True HD audio.

- **Auto** : Automatically controls the dynamic range of Dolby TrueHD audio, based on information in the Dolby TrueHD soundtrack.
  Also turns dynamic range control on for Dolby Digital and Dolby Digital Plus.
- **Off** : Leaves the dynamic range uncompressed, letting you hear the original sound.
- **On** : Turns dynamic range control on for all three Dolby formats. Quieter sounds are made louder and the volume of loud sounds is reduced.

Downmixing Mode

Lets you select the multi-channel downmix method that is compatible with your stereo system. You can choose to have the player downmix to normal stereo or to surround compatible stereo.

Network Settings

Please contact your ISP to find out if your IP address is static or dynamic. If it is dynamic - and most are - we recommend using the Auto procedure for network setup. This is easiest and will work in the majority of cases. If it is static, you must use the manual set up procedure.

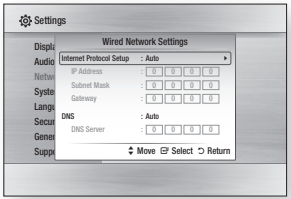
Network setup directions start below.

✎ NOTES

- This unit can only be connected to a Network via a wired connection.

Wired Network Settings

1. In the Home menu, press the ◄► buttons to select **Settings**, and then press the ↵ button.
2. Press the ▲▼ buttons to select **Network**, and then press the ↵ button.
3. Press the ▲▼ buttons to select **Wired Network Settings**, and then press the ↵ button. The Wired Network Settings screen appears.



4. In the Internet Protocol Setup field, select Auto if it is not selected. (Press ↵ select **Auto**, and then press ↵.)
5. The Auto Function acquires and fills in the values for **IP Address**, **Subnet Mask**, etc., automatically.

✎ NOTES

- This process can take up to five minutes.

6. After the Network Function has acquired the network values, press the **RETURN** button.
7. Select **Network Test**, and then press ↵ to ensure the player has connected to your network.
8. When the Network Test is complete, press the **RETURN** twice to return to the Main Menu.
9. If the Network Function does not acquire the network values, go to the directions for Manual Setup.

Manual Network Setup

Before you start manual network setup, you need the network setting values.

To enter the Network Settings into your player, follow these steps:

1. In the Home menu, press the ◄► buttons to select **Settings**, and then press the ↵ button.
2. Press the ▲▼ buttons to select **Network**, and then press the ↵ button.
3. Press the ▲▼ buttons to select **Wired Network Settings**, and then press the ↵ button. The Wired Network Settings screen appears.
4. Select the Internet Protocol Setup field, and then press the ↵ button.
5. Press the ▲▼ buttons to select **Manual**, and then press the ↵ button.
6. Press the ▼ button to go to the first entry field (IP Address).
7. Use the number buttons on your remote to enter numbers.
8. When done with each field, use the ► button to move to the next field. You can also use the other arrow buttons to move up, down, and back.
9. Enter the **IP Address**, **Subnet Mask**, and **Gateway** values in the same way.
10. Press the ▼ button to go to **DNS**.

11. Press the ▼ button to go to the first DNS entry field.
12. Enter the numbers as above.
13. Press the Return button on your remote.
14. Run a Network Test to ensure the player has connected to your network.

Network Test

Use this menu item to check whether your network connection is working or not.

Network Status

Use to check whether a connection to a network and the Internet has been established.

BD-Live Internet Connection

Set to allow or prohibit an Internet connection when you use the BD-LIVE service.

- **Allow (All)** : The Internet connection is allowed for all BD-LIVE contents.
- **Allow (Valid Only)** : The Internet connection is allowed only for BD-LIVE contents containing a valid certificate.
- **Prohibit** : No Internet connection is allowed for any BD-LIVE content.

✎ NOTES

- **What is a valid certificate?**
  When the player uses BD-LIVE to send the disc data and a request to the server to certify the disc, the server uses the transmitted data to check if the disc is valid and sends the certificate back to the player.
- The Internet connection may be restricted while you are using BD-LIVE contents.

Using BD-LIVE™

Once the player is connected to the network, you can enjoy various movie-related service contents using a BD-LIVE compliant disc.

1. Attach a USB memory stick to the USB jack on the front of the player, and then check its remaining memory. The memory device must have at least 1GB of free space to accommodate the BD-LIVE services.
2. Insert a Blu-ray Disc that supports BD-LIVE.
3. Select an item from various BD-LIVE service contents provided by the disc manufacturer.

✎ NOTES

- The way you use BD-LIVE and the provided contents may differ, depending on the disc manufacturer.

The DLNA Function

DLNA lets you play music, video, and photo files located in your PC or NAS on the player.

To use DLNA with your player, you must connect the player to your network. (See pages 11~12).

To use DLNA with your PC, you must install DLNA software on your PC.

If you have NAS, you can use DLNA without any additional software.

To download DLNA software

1. Go to Samsung.com
2. Click Support, enter your player's product number in the field that appears, and then click Product.
3. On the next screen, click Get downloads under Downloads.
4. Click Software on the next page.
5. Click the icon in the DLNA line under File to start the download.

System Settings

Initial Settings

By using the Initial Settings function, you can set the language, Network Settings, etc.
For more information about the Initial Settings function, refer to the Initial Settings section of this user manual (page 9).

Quick Start

You can turn on the power quickly by decreasing the boot time.

✎ NOTES

- If this function is set to **On**, Standby power consumption will be increased.

Anynet+ (HDMI-CEC)

Anynet+ is a convenient function that offers linked operations with other Samsung players that have the Anynet+ feature.
To operate this function, connect this player to an Anynet+ Samsung TV with an HDMI cable. With Anynet+ on, you can operate this player using a Samsung TV remote control and start disc playback simply by pressing the **PLAY** (►) button on the TV's remote control.
For more information, please see the TV user manual.

✎ NOTES

- This function is not available if the HDMI cable does not support CEC.
- If your Samsung TV has an Anynet+ logo, then it supports the Anynet+ function.
- Depending on your TV, certain HDMI output resolutions may not work.
  Please refer to the user manual of your TV.
- After the product was turned off, disconnecting and connecting the power cable turns it on automatically. At the moment, it automatically turns off in about 15 seconds for re-establishing Anynet+ connection.
- For some TV products, if connected to this product with Anynet+ function, turning the TV on may display a warning popup message saying no connection was found. Still, Anynet+ connection is properly established and available to use.

BD Data Management

Enables you to manage the downloaded contents you accessed through a Blu-ray disc that supports the BD-LIVE service and stored on a flash drive.

You can check the device's information including the storage size, delete the BD data, or change the Flash memory device.

✎ **NOTES**

- In the external memory mode, disc playback may be stopped if you disconnect the USB device in the middle of playback.
- Your player supports the FAT16, FAT32, and NTFS file systems. We recommend you use USB devices that support USB 2.0 protocol with 4 MB/sec or faster read/write speed.
- The Resume Play function may not work after you format the storage device.
- The total memory available to BD Data Management may differ, depending on the conditions.

DivX® Video On Demand

View DivX® VOD Registration Codes to purchase and play DivX® VOD contents.

Language Settings

You can select the language you prefer for the Home menu, disc menu, audio, and subtitles.

✎ **NOTES**

- The selected language will only appear if it is supported on the disc.

Security Settings

When you access this function for the first time, the PIN setup screen appears. Enter a desired 4-digit PIN using the number buttons. (The default PIN is 0000.)

BD Parental Rating

Prevents playback of Blu-ray Discs with specific age ratings unless the 4 digit PIN is entered.

DVD Parental Rating

This function works in conjunction with DVDs that have been assigned an age rating or numeric rating that indicates the maturity level of the content. These numbers help you control the types of DVDs that your family can watch.

Select the rating level you want to set.

For example, if you select Level 6, discs rated above 6 - Level 7 and 8 - will not play.

A larger number indicates more mature content.

Change PIN

Change the 4-digit password used to access security functions.

If you forget your password

1. Remove any discs.
2. Press and hold the ■ button on the front panel for 5 seconds or more.
   All settings will revert to the factory settings.

✎ **NOTES**

- When the factory default settings are restored, all the user stored BD data will be deleted.

General Settings

Time Zone

Lets you specify the time zone that is applicable to your area.

Support Settings

Software Upgrade

The Software Upgrade menu allows you to upgrade the player's software for performance improvements or additional services.

By Online

To upgrade By Online, follow these steps:

1. Select **By Online**, and then press the ⊡ button. The Connecting to Server message appears.
2. A popup message will appear if an update is available.
3. If you select **Yes**, download process started. (Never turn the player on during an upgrade.)
4. When the update is completed, the player will restart automatically.

✎ **NOTES**

- The Update is complete when the player turns off after restarting. Press the **POWER** button to turn on the updated player for your use.
- Never turn the player off or back on manually during the update process.
- Samsung Electronics takes no legal responsibility for player malfunction caused by an unstable Internet connection or consumer negligence during a software upgrade.
- No disc should be in the product when you upgrade the software by Online.

By USB

To upgrade by USB, follow these steps:

1. Visit www.samsung.com/bluraysupport.
2. Download the latest USB software upgrade zip archive to your computer.
3. Unzip the zip archive to your computer. You should have a single RUF file with the same name as the zip file.
4. Copy the RUF file to a USB flash drive.
5. Make sure there is no disc in the player, and then insert the USB flash drive into the USB port of the player.
6. In the player's menu, go to Settings > Support > Software Upgrade.
7. Select **By USB**.

✎ **NOTES**

- No disc should be in the product when you upgrade the software using the USB Host jack.
- When the software upgrade is done, check the software details in the software Upgrade menu.
- Do not turn off the player during the software upgrade. It may cause the player to malfunction.
- Software upgrades using the USB Host jack must be performed with a USB flash memory stick only.

Auto Upgrade Notification

If you have connected the player to your network, and then set Auto Upgrade Notification on, the player automatically notifies you when a new software version is available for the player.

To set Auto Upgrade Notification on, follow these steps:

1. Select **Auto Upgrade Notification**, and then press the ⏎ button.
2. Use the ▲▼ buttons to select **On**, and then press the ⏎ button.

If there is a new software version available, the player notifies you with a popup message.

1. To upgrade the firmware, select **Yes** in the Pop-up. The player turns off automatically, then restarts, and begins the download. (Never turn the player on or off manually during an upgrade.)
2. The update progress popup appears.
3. When the update is complete, the player turns off again automatically.
4. Press the **POWER** button to turn on the player.

✎ **NOTES**

- The update is complete when the player turns off after restarting. Press the **POWER** button to turn on the updated player for your use.
- Never turn the player off or on manually during the update process.
- Samsung Electronics takes no legal responsibility for player malfunction caused by an unstable Internet connection or consumer negligence during software upgrade.

Contact Samsung

Provides contact information for assistance with your player.

Terms of Service Agreement

Lets you view the general disclaimer regarding third party contents and services.

Reset

Returns all settings to their factory defaults except for the network settings.

Media Play

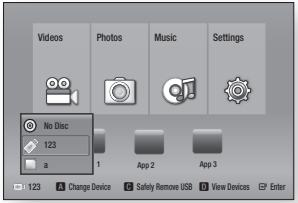
Playing a Commercially Recorded Disc

1. Press the ⏏ button to open the disc tray.
2. Place a disc gently into the disc tray with the disc's label facing up.
3. Press the ⏏ button to close the disc tray. Playback starts automatically.

Playing Files on a USB Device

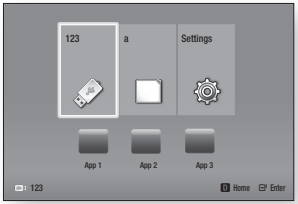
You can play multimedia files located on a USB storage device.

1. Move to the Home menu.
2. In Stop mode, connect the USB storage device to the USB port on the front panel of the player.
   The message “Do you want to access the device?” is displayed.
3. Press the ◄► button to select **Yes**, and then press the ⏎ button.
4. If you have a disc in the Blu-ray player, press the **RED (A)** or **BLUE (D)** button.
   If you do not, go to **Step 6**.
   If you pressed the **RED (A)** button, go to **Step 5**.
   If you pressed the **BLUE (D)** button, go to **Step 4-1**.
5. Press the ▲▼ buttons to select **USB**, and then press the ⏎ button.



6. Press the ◄► buttons to select Videos, Music, or Photos, and then press the ⏎ button. Go to **Step 7**.

4-1. If you pressed the **BLUE (D)** button, the screen below appears. Go to **Step 5-1**.



5-1. Press the ◄► buttons to select **USB**, then press the ⏎ button.

6-1. Press the ▲▼ buttons to select Videos, Music or Photos, and then press the ⏎ button.

7. A screen appears listing the contents of the device. Depending on how the contents are arranged, you will see either folders, individual files, or both.
8. If necessary, use the ▲▼◄►buttons to select a folder, and then press the ⏎ button.

9. Use the ◄►▲▼ buttons to select a file to view or play, and then press the button.

✎ NOTES

- Even though the player will display folders for all content types, it will only display files of the Content Type you selected in Step 6 or Step 6-1.
  For example, if you selected music, you will only be able to see music files. You can change this selection by returning to the Home screen and repeating Step 4.

10. Press the **RETURN** button one or more times to exit a current screen, exit a folder, or to return to the Home screen. Press the **EXIT** button to return directly to the Home Screen.

✎ NOTES

- You must remove the USB storage device safely by performing the "Safely Remove USB" function in order to prevent possible damage to the USB memory. Press the **HOME** button to move to the Home menu, select the **YELLOW (C)** button, and then press the button.
- If you insert a disc when playing a USB storage device, the device mode changes to Blu-ray, DVD or CD automatically.

Playing a Disc with User Recorded Content

You can play multimedia files you have recorded on Blu-ray, DVD, or CD discs.

1. Place a user recorded disc into the disc tray with the disc's label facing up, and then close the tray. The Device Connected pop-up appears.
2. Use the ◄► buttons to select the type of content you want to view or play - Videos, Photos, or Music - and then press the button.

✎ NOTES

- Even though the player will display folders for all content types, it will only display files of the Content Type you selected in Step 2. For example, if you selected music, you will only be able to see music files. You can change this selection by returning to the Home screen and repeating Step 2.

3. A screen appears listing the contents of the disc. Depending on how the contents are arranged, you will see either folders, individual files, or both.
4. If necessary, use the ▲▼◄►buttons to select a folder, and then press the button.
5. Use the ◄►▲▼ buttons to select a file to view or play, and then press the button.
6. Press the **RETURN** button one or more times to exit a current screen, exit a folder, or to return to the Home screen. Press the **EXIT** button to return directly to the Home Screen.

Playing Content Located in Your PC

To play content located in your PC on your Blu-ray disc player, you must connect the Blu-ray player to you network and install DLNA Software on your PC.

To Play Content From Your PC

1. Move to the Home menu
2. Press the **BLUE (D)** button on your remote (Device).
3. In the Device screen that appears, select your PC, and then press the button.
4. Use the ◄► buttons to select the type of content you want to view or play - Videos, Photos, or Music - and then press the button.

✎ NOTES

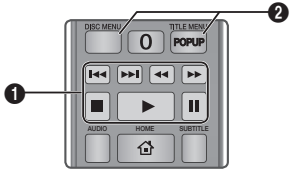
- Even though the player will display folders for all content types, it will only display files of the Content Type you selected in Step 4. For example, if you selected music, you will only be able to see music files. You can change this selection by returning to the Home screen and repeating Step 4.

5. A screen appears listing the contents on your PC. Depending on how the contents are arranged, you will see either folders, individual files, or both.
6. If necessary, use the ▲▼◄►buttons to select a folder, and then press the button.
7. Use the ◄►▲▼ buttons to select a file to view or play, and then press the button.
8. Press the **RETURN** button one or more times to exit a current screen, exit a folder, or to return to the Home screen. Press the **EXIT** button to return directly to the Home Screen.

Controlling Video Playback

You can control the playback of video content located on a Blu-ray disc, DVD, CD, USB device, or you computer. Depending on the media, some of the functions described in this manual may not be available.

Buttons on the Remote Control used for Video Playback



1 Playback related buttons

The player does not play sound in Search, Slow or Step mode.

- To return to normal speed playback, press the ▶ button.

▶ button	Starts playback.
■ button	Stops playback.
❚❚ button	Pauses playback.
Fast Motion Play	During playback, press the ◀◀ or ▶▶ button. Each time you press the ◀◀ or ▶▶ button, the playback speed will change.
Slow Motion Play	In pause mode, press the ▶▶ button. Each time you press the ▶▶ button, the playback speed will change.
Step Motion Play	In pause mode, press the ❚❚ button. Each time you press the ❚❚ button, a new frame appears.
Skip Motion Play	During playback, press the ⏮ or ⏭ button. Each time you press the ⏮ or ⏭ button, the disc moves to the previous or next chapter or file.

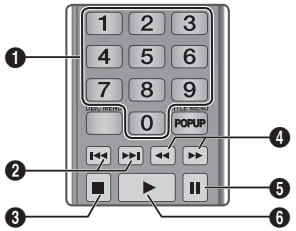
2 Using the disc menu, title menu, popup menu, and title list

DISC MENU button	During playback, press this button to start the disc menu function.
TITLE MENU button	During playback, press this button to start the title menu function.
POPUP MENU button	During playback, press this button to start the popup menu function.

Controlling Music Playback

You can control the playback of music located on a Blu-ray disc, DVD, CD, USB device, or your computer.

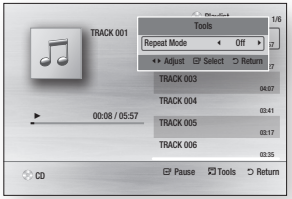
Buttons on the Remote Control used for Music Playback



❶	**NUMBER** buttons **(Audio CD (CD-DA) only)** : During Playlist playback, press the desired track number. The selected track is played.
❷	**Skip** : During playback, press the ⏮ or ⏭ button to move to the previous or next file of the playlist.
❸	■ button : Stops a track.
❹	**Fast Play (Audio CD (CD-DA) only)** During playback, press the ◀◀ or ▶▶ button. Each time you press the ◀◀ or ▶▶ button, the playback speed will change.
❺	**Pause** : Pauses a track.
❻	▶ button : Plays the currently selected track.

Repeat an Audio CD (CD-DA)/ MP3

1. During Playlist playback, press the **TOOLS** button.



2. Press the ◄► buttons to select **Track**, **All**, **Shuffle**, or **Off**.
3. Press the ↵ button.

Off	Songs are played in the order in which they were recorded.
(↻) Track	The current song is repeated.
(↻) All	All songs are repeated.
(⤮) Shuffle	Shuffle plays songs in random order.

Playlist

1. To move to the Music List, press the ■ or **RETURN** button.
   The Music List screen appears.

2. Press the ▲▼◄► buttons to move to a desired track, and then press the **YELLOW (C)** button. A check appears on the track.
   Repeat this procedure to select additional tracks.
3. To remove a track from the list, move to the track, and then press the **YELLOW (C)** button again.
   The check on the track is cancelled.

4. When done, press the ⏎ button.
5. To change the play list, press the **Return** button to return to the Music List. Repeat Steps 2, 3, and 4.
6. To cancel the play list and return to the Home screen, press the **Return** or **Exit** button.

✎ **NOTES**

- You can create a playlist with up to 99 tracks on Audio CDs (CD-DA).
- If you remove all the tracks from a play list and then press the ⏎ button, the player lists and plays all the tracks on the disc.

Playing Photo Contents

You can control the playback of photo content located on a Blu-ray disc, DVD, CD, USB device, or your computer.

Using the Tools Menu

During playback, press the **TOOLS** button.

Start Slide Show	Select to start the slide show.
Background Music	Select to listen to music while viewing a slide show.
Zoom	Select to enlarge the current picture. (Enlarge up to 4 times)
Rotate	Select to rotate the picture. (This will rotate the picture either clockwise or counter clockwise.)
Information	Shows the picture information.

✎ **NOTES**

- Depending on the disc or storage device, the Tools menu may differ.
- To enable the background music function, the photo file must be in the same storage media as the music file.
  However, the sound quality can be affected by the bit rate of the MP3 file, the size of the photo, and the encoding method.
- You can't enlarge the subtitle and PG graphic in the full screen mode.

Appendix

Troubleshooting

Before requesting service, please try the following solutions.

PROBLEM	SOLUTION
No operation can be performed with the remote control.	• Check the batteries in the remote control. They may need replacing. • Operate the remote control at a distance of no more than 6.1m from the player. • Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote control to reset it. Reinstall batteries and try to operate the remote control again. • Press the ■ button (on front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings. • Press the ⏻ button (on front panel) for more than 5 seconds.
Disc does not play.	• Ensure that the disc is installed with the label side facing up. • Check the region number of the Blu-ray Disc/DVD.
Disc Menu does not appear.	• Ensure that the disc has disc menus.
The prohibition message appears on the screen.	• This message appears when an invalid button is pressed. • The Blu-ray Disc/DVD's software doesn't support the feature (e.g., angles). • You've requested a title or chapter number or search time that is out of range.
Play mode differs from the Setup Menu selection.	• Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.
The screen ratio cannot be changed.	• The Screen Ratio is fixed on your Blu-ray Disc/DVD. • This is not a problem with the player.
No audio.	• Make sure you have selected the correct Digital Output in the Audio Options Menu.

PROBLEM	SOLUTION
The screen is blank.	• If the HDMI output is set to a resolution your TV cannot support (for example, 1080p), you may not see a picture on your TV. • Press the ■ button (on front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings. • When the factory default settings are restored, all stored user BD data is deleted.
Forgot password	• Press the ■ button (on front panel) for more than 5 seconds with no disc inside. All settings including the password will revert to the factory settings. Don't use this unless absolutely necessary. • When the factory default settings are restored, all stored user BD data is deleted.
The picture is noisy or distorted	• Make sure that the disc is not dirty or scratched. • Clean the disc.
No HDMI output.	• Check the connection between the TV and the HDMI jack of the player. • Check if your TV supports 480p, 720p, 1080i, or 1080p HDMI input resolutions.
Abnormal HDMI output screen.	• If random noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).
If you experience other problems.	• Go to the contents and find the section of the user manual that contains the explanations regarding the current problem, and follow the procedure once again. • If the problem still cannot be solved, please contact your nearest Samsung authorised service centre.
DLNA function	
I can see folders shared through DLNA, but I cannot see the files.	• DLNAs shows only files corresponding to the Image, Music, and Movie categories. Files that do not correspond to these categories are not displayed.
Video is played intermittently.	• Check if the network is stable. • Check if the network cable is properly connected and if the network is overloaded.
DLNA connection between Player and PC is unstable.	• The IP address under the same subnetwork should be unique. If they are not, IP interference can cause this phenomenon. • Check if you have a firewall enabled. If so, disable the firewall function.
BD-LIVE	
I cannot connect to the BD-LIVE server.	• Check whether the network connection is working or not by using the Network Status menu. • Check whether the USB memory device is connected to the player. • The memory device must have at least 1GB of free space to accommodate the BD-LIVE service. You can check the available size in BD Data Management. • Check whether the BD-LIVE Internet Connection menu is set to Allow(All). • If all above fails, contact the contents provider or update the player to the latest firmware.
When using the BD-LIVE service, an error occurs.	• The memory device must have at least 1GB of free space to accommodate the BD-LIVE service. You can check the available size in BD Data Management.

✎ NOTES

- When the factory default settings are restored, all stored user BD data is deleted.

Repairs

If you contact us to repair your player, an administration fee may be charged if either:

1. An engineer is called out to your home at your request and there is no defect in the product.
2. You bring the unit to a repair centre and there is no defect in the product.

We will provide you with the amount of the administration fee before we make a home visit or begin any work on your player.
We recommend you read this manually thoroughly, search for a solution on line at www.samsung.com, or contact Samsung Customer Care before seeking to repair your player.

Specifications

General	Weight	1.0 Kg
	Dimensions	269 (W) X 193 (D) X 39 (H) mm
	Operating Temperature Range	+5°C to +35°C
	Operating Humidity Range	10 % to 75 %
USB	Type A	USB 2.0
	DC output	5V 0.5 A Max.
HDMI	Video	1080p, 1080i, 720p, 480p
	Audio	PCM, Bitstream
Audio Output	Digital Audio Output	Coaxial
Network	Ethernet	100BASE - TX Terminal

- Network speeds equal to or below 10Mbps are not supported.
- Design and specifications are subject to change without prior notice.
- For the power supply and power consumption, refer to the label attached to the player.
- Weight and dimensions are approximate.

Compliance and Compatibility Notice

NOT ALL discs are compatible

- Subject to the restrictions described below and those noted throughout this Manual, including the Disc Type and Characteristics section of this user manual, disc types that can be played are: pre-recorded commercial BD-ROM, DVD-VIDEO, and Audio CD (CD-DA) discs; BD-RE/-R, DVD-RW/-R discs; and CD-RW/-R discs.
- Discs other than those listed above cannot be and are not intended to be played by this player. Some of the discs listed above may not play due to one or more reasons provided below.
- Samsung cannot assure that this player will play every disc bearing the BD-ROM, BD-RE/-R, DVD-VIDEO, DVD-RW/-R, DVD+RW/+R and CD-RW/-R logos, and this player may not respond to all operating commands or operate all features of every disc. These and other disc compatibility and player operation issues with new and existing format discs are possible because:
  - Blu-ray is a new and evolving format and this player may not operate all features of Blu-ray Discs because some features may be optional, additional features may have been added to the Blu-ray Disc format after the production of this player, and certain available features may be subject to delayed availability;
  - not all new and existing disc format versions are supported by this player;
  - new and existing disc formats may be revised, changed, updated, improved and/or supplemented;
  - some discs are produced in a manner that allows specific or limited operation or restricts features during playback;
  - some discs bearing the BD-ROM, BD-RE/-R, DVD-VIDEO, DVD-RW/-R, DVD+RW/+R and CD-RW/-R logos may still be non-standardized discs;
  - some discs may not be played depending on their physical state or recording conditions;
  - problems and errors can occur during the creation of Blu-ray Disc or DVD software and/or the manufacture of discs;
  - this player operates differently than a standard DVD player or other AV equipment; and/or
  - for reasons noted throughout this user manual and for other reason(s) discovered and posted by SAMSUNG customer care centre.
- If you encounter disc compatibility or player operation problems, please contact SAMSUNG customer care centre.
  You may also contact SAMSUNG customer care centre for possible updates on this player.
- For additional information on playback restrictions and disc compatibility, refer to the Precautions, Before Reading the user manual, Disc Types and Characteristics, and Before Playing sections of this user manual.

- **For Blu-ray Disc Player progressive scan output** : CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS product AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS product, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

Copy Protection

- Because AACS (Advanced Access Content System) is approved as the content protection system for the Blu-ray Disc format, similar to use of CSS (Content Scramble System) for the DVD format, certain restrictions are imposed on playback, analogue signal output, etc., of AACS protected contents.
  The operation of this product and restrictions on this product may vary depending on your time of purchase as those restrictions may be adopted and/or changed by AACS after the production of this product. Furthermore, BD-ROM Mark and BD+ are additionally used as content protection systems for the Blu-ray Disc format, which imposes certain restrictions including playback restrictions for BD-ROM Mark and/or BD+ protected contents. To obtain additional information on AACS, BD-ROM Mark, BD+, or this product, please contact SAMSUNG customer care centre.
- Many Blu-ray Disc/DVDs are encoded with copy protection. Because of this, you should only connect your Player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected Blu-ray Disc/DVDs.
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorised recording, use, display, distribution, or revision of television programs, videotapes, Blu-ray Discs, DVDs, and other materials may subject you to civil and/or criminal liability.
- **Cinavia Notice** : This product uses Cinavia technology to limit the use of unauthorised copies of some commercially-produced film and videos and their soundtracks. When a prohibitet use of an unauthorised copy is detected, a message will be displayed and playback or copying will be interrupted. More information about Cinavia technology is provided at the Cinavia Online Consumer Information Centre at http://www.cinavia.com. To request additional information about Cinavia by email, send a postcard with your mailing address to: Cinavia Consumer Information Centre, P.O. Box 86851, San Diego CA, 92138, USA.
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  - ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.
  - DivX Certified® to play DivX® video up to HD 1080p, including premium content. DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under licence.
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- Open Source Licence Notice
  - In the case of using open source software, Open Source Licences are available on the product menu.

- Blu-ray Disc™, Blu-ray™ and the logos are trademarks of the Blu-ray Disc Association.

- DLNA®, the DLNA Logo and DLNA CERTIFIED® are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Area	Contact Centre ☎	Web Site
▪ Asia Pacific		
AUSTRALIA	1300 362 603	www.samsung.com
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	www.samsung.com
CHINA	400-810-5858	www.samsung.com
HONG KONG	(852) 3698 4698	www.samsung.com/hk www.samsung.com/hk_en/
INDIA	1800 1100 11 3030 8282 1800 3000 8282 1800 266 8282	www.samsung.com
INDONESIA	0800-112-8888 021-5699-7777	www.samsung.com
MALAYSIA	1800-88-9999	www.samsung.com
PHILIPPINES	1-800-10-SAMSUNG(726-7864) for PLDT 1-800-3-SAMSUNG(726-7864) for Digitel 1-800-8-SAMSUNG(726-7864) for Globe 02-5805777	www.samsung.com
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com
THAILAND	1800-29-3232 02-689-3232	www.samsung.com
TAIWAN	0800-329-999 0266-026-066	www.samsung.com
VIETNAM	1 800 588 889	www.samsung.com

Area	Contact Centre ☎	Web Site
▪ Middle East		
U.A.E	800-SAMSUNG (726-7864)	www.samsung.com
OMAN	800-SAMSUNG (726-7864)	www.samsung.com
KUWAIT	183-2255	www.samsung.com
BAHRAIN	8000-4726	www.samsung.com
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UGANDA	0800 300 300	www.samsung.com
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ENERGY STAR

SAMSUNG

BD-F5100

Blu-ray™ 光碟播放機

使用者手冊

憧憬無數可能

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要獲得更為全面的服務，請在
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繁體中文

安全資訊

警告

為減少觸電的危險，請勿卸下機蓋 (或後蓋)。
本裝置內部沒有使用者可自行維修的零件。 請讓合格的維修人員進行維修。

三角形內的閃電和箭頭是警告符號，提醒您產品內部具有危險電壓。	注意: 為減少觸電的危險，請勿卸下機蓋(或後蓋)本裝置內部沒有使用者可自行維修的零件。 請讓合格的維修人員進行維修。.	三角形內的驚嘆號是警告符號，提醒您注意產品隨附的重要說明。

請勿將本播放機安放在書櫥或類似裝置等狹窄封閉處。

警告

為避免可能會導致火災或觸電危險的損壞，請勿將本機放置在雨淋或潮濕的環境中。

注意

Blu-ray 光碟播放機使用看不見的镭射光線，如果受到其直射，可能會導致危險的輻射曝露。 請務必按照說明正確地操作 Blu-ray 光碟播放機。

注意

本產品使用镭射。 使用本手冊中沒有描述的控制、 調整、執行或步驟可能會導致危險輻射的曝露。

請勿打開機蓋和自行維修。

請向合格的維修人員 尋求維修幫助。

如果使用有護套的線纜和接頭將本產品連接至其他裝置，則本產品符合 CE 法規。

為了防止收音 機和電視等電子裝置的電磁干擾，請使用有護套的線纜和接頭進行連接。

重要說明

此裝置上的電源插頭是含有保險絲的模製插頭。保險絲的值在插頭的插腳面標出。

如果保險絲需要更換，可以使用獲得 BS1362 認可的相同額定值保險絲。

如果保險絲護蓋可拆除，切勿在拆下護蓋的情況下使用插頭。

如果需要更換保險絲護蓋，換用品顏色必須與插頭插腳面的顏色相同。 更換護蓋可向代理商購買。

如果隨附的插頭不適合您家中的電源插座，或者如果線纜不夠長，無法插入到電源插座中，則您應該取得獲得安全認可的合適延長線，或者諮詢代理商以獲得幫助。

不過，如果除了剪斷插頭之外別無它法，請先取出保險絲，再安全地處置插頭。

切勿將插頭連接到電源插孔，因為裸露的彈性線會帶來觸電的危險。

要斷開裝置與電源插座的連接，必須從電源插座中拔出插頭，因此，插頭應方便操作。

隨附本使用手冊的產品裝置獲得特定協力廠商的特定智慧財產權授權。

第 1 類镭射產品

本光碟播放機屬第 1 類镭射產品。控制、調整或 執行本手冊中未指定的程序可能會導致危險輻射的曝露。

注意：

- 開啟時會產生 3B 類可見及不可見的镭射輻射。請避免受光束照射 (IEC 60825-1)
- 本產品使用镭射。 控制、調整或執行本手冊中未指定的程序可能會導致危險輻射的曝露。 請勿打開機蓋和自行維修。 請讓合格的人員進行維修。.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT
PRODUCTO	LÁSER CLASE 1

預防措施

重要安全說明

在使用裝置之前，請仔細閱讀操作說明。 請依照下面列出的所有安全說明操作。
將這些操作說明放在就手的地方，以供以後參考。

1. 閱讀這些說明。
2. 遵守這些說明。
3. 注意所有警告資訊。
4. 按照所有說明進行操作。
5. 切勿在靠近水的地方使用本裝置。
6. 乾布進行清潔。
7. 切勿擋住任何通風口。 應按照製造商說明進行安裝。
8. 不要安裝在散熱器、加熱器、爐子或散熱的其他裝置 (包括 AV 接收器) 等熱源附近。
9. 切勿輕視極化插頭或接地式插頭的安全用途。 極化插頭帶有寬窄兩個插腳。 接地式插頭帶有兩個插腳和第三個接地針腳。 寬插腳和第三個針腳均用於安全用途。 當提供的插頭不能插入您的電源插座時，請找電氣技師換一個新的插座。
10. 電源線不可踩踏或擠壓，特別是在插頭、連接插座及設備的出口位置。
11. 僅使用製造商指定的連接件/配件。

12. 只能放在製造商指定的手推車、座台、三角架、支架或桌子上，或者帶裝置一起出售。 如果使用手推車，移動手推車/裝置組合時要格外小心，避免翻倒損壞。

13. 在雷暴期間或長期不使用時，請拔下此裝置。
14. 請向合格的維修人員尋求所有維修幫助。 當裝置遭到任何方式的損壞時就需要進行維修，如電源線或插頭損壞、灑水或異物跌入裝置、裝置被雨淋或受潮、裝置不能正常工作或裝置被摔到地上。

光碟儲藏和管理

- 取光碟
  - 光碟上的指紋或劃痕會降低音質和畫質，或者導致跳躍。

  - 應避免觸摸已錄製資料的光碟表面。
  - 拿光碟時要拿光碟的邊，以防指紋落在表面上。
  - 請勿在光碟上粘貼紙片或帶子。
- 清潔光碟
  - 如果光碟印上指紋或蒙上灰塵，請用已稀釋的溫和洗滌劑清洗，然後用柔軟的布料擦。

  - 清潔時，應從光碟的內部向外部輕柔地擦。
- 光碟儲藏
  - 請勿放在陽光直射處。
  - 請放在陰涼通風處。
  - 請放在乾淨的保護套內且垂直存放。

處理注意事項

- 本裝置不可遭受水滴或濺到水。 不要在裝置上放置任何盛滿水的物體（例如花瓶）。
- 若要徹底關閉本裝置，必須將電源插頭從壁上插座中拔出。 因此，電源插頭應一直保持方便拔插。
- 不要將多個電子裝置插入到同一個壁上插座中。 插座過載會導致它過熱，從而引發火災。
- 外殼維護。
  - 在將其他元件連接到此播放機前，請確保將它們關閉。
  - 如果您突然將播放機從很冷的地方搬到很暖和的地方，則可能會在操作部件和鏡頭上產生冷凝，從而導致光碟播放異常。如果發生這種情況，請拔下播放機的電源插頭，等待兩個小時，然後再將插頭連接至電源插座。然後再次插入光碟並嘗試播放。
- 如果產品發出異常噪音、燒焦味或冒煙，請立即關閉電源開關並從牆上插座拔下電源插頭。 然後，請就近與客戶中心聯絡，以取得技術協助。 不要使用產品。 繼續使用產品，對這些現象置之不理，則可能會導致火災或觸電。

版權

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入門指南

在使用本使用者手冊之前

本播放機可以播放的光碟類型和內容

媒體	光碟類型	詳細資料
視訊	Blu-ray 光碟	以 BD-RE 格式錄製的 BD-ROM 或 BD-RE/-R。
	DVD-VIDEO DVD-RW DVD-R DVD+RW DVD+R	DVD-VIDEO、已錄製然後最終化的已錄製 DVD+RW/DVD-RW(V)/DVD-R/+R，或者包含 DivX、MKV、MP4 內容的 USB 儲存媒體。
音樂	CD-RW/-R、 DVD-RW/-R、 BD-RE/-R	在 CD-RW/-R、DVD-RW/-R、BD-RE/-R 或 USB 儲存媒體上錄製的包含 MP3 或 WMA 內容的音樂。
相片	CD-RW/-R、 DVD-RW/-R、 BD-RE/-R	在 CD-RW/-R、DVD-RW/-R、BD-RE/-R 或 USB 儲存媒體上錄製的包含 JPEG 內容的音樂。

✎ **附註**

- 由於光碟類型或錄製條件的原因，本播放機可能不能播放某些 CD-RW/-R 和 DVD-R 光碟。
- 如果 DVD-RW/-R 未以 DVD 視訊格式正確錄製，它將不可播放。
- 本播放機不能播放 DVD-R 上以超過 10 Mbps 的位元速率錄製的內容。
- 本播放機不能播放 BD-R 或 USB 裝置上以超過 25 Mbps 的位元速率錄製的內容。
- 一些類型的光碟片可能無法播放，或者在使用特定功能時（例如執行角度變更和縱橫比調整時）無法播放。關於光碟的資訊已在光碟盒上詳細寫明。請在需要時參閱此資訊。
- 播放 BD-J 標題時，與普通標題相比，加載時間可能稍長一些，可能某些功能執行起來很慢。

本播放機無法播放的光碟類型

- HD DVD
- DVD-ROM/PD/MV 光碟等
- DVD-RAM
- 超級音訊 CD（CD 層除外）
- DVD-RW（VR 模式）
- CVD/CD-ROM/CDV/CD-G/CD-I/LD（CD-G 只能播放音訊，不能播放視訊。）
- 用於編寫的 3.9 GB DVD-R。

區域代碼

播放機和光碟都按照地區進行編碼。

這些區域代碼必須相匹配才能播放光碟。 如果這些區域代碼不匹配，則不能播放光碟。

本播放機的區域代碼在播放機的後面板上顯示。

光碟類型	區域代碼	地區
Blu-ray 光碟	A	北美洲、中美洲、南美洲、韓國、日本、台灣、香港和東南亞。
	B	歐洲、格陵蘭、法國各地區、中東、非洲、澳大利亞和紐西蘭。
	C	印度、中國、俄羅斯、中亞和南亞。
DVD-VIDEO	1	美國、美國領土和加拿大
	2	歐洲、日本、中東、埃及、南非、格陵蘭
	3	台灣、韓國、菲律賓、印尼、香港
	4	墨西哥、南美洲、中美洲、澳大利亞、新西蘭、太平洋群島、加勒比
	5	俄羅斯、東歐、印度、非洲大部分地區、朝鮮、蒙古
	6	中國

本播放機可以播放的光碟標誌

Blu-ray 光碟	BD-LIVE
DivX	美國、加拿大、韓國、 日本的 NTSC 廣播系統

支援的檔案格式

USB 連線注意事項

- 本播放機支援 USB 儲存媒體、MP3 播放器、數位相機、USB 讀卡器。
- 本播放機不支援長度超過 128 個字元的資料夾或檔案名稱。
- 某些 USB/外接式 HDD/數碼相機裝置可能與本播放機不相容。
- 本播放機支援 FAT16、FAT32 和 NTFS 檔案系統。
- 將 USB 裝置直接連接到播放機的 USB 埠。透過 USB 電纜線連接可能會導致相容性問題。
- 如果將多個記憶體裝置插入多卡讀卡器中，則可能會導致讀卡器無法正常操作。
- 本播放機不支援 PTP 通訊協定。
- 在「載入」過程中不要斷開 USB 裝置連接。
- 影像解像度越高，顯示影像所需的時間越長。
- 本播放機不能播放從商業網站下載的帶有 DRM (Digital Rights Management) 的 MP3 檔案。

- 本播放機僅支援 30fps (每秒幀數) 的視訊。
- 本播放機僅支援 USB 大量儲存裝置類別 (MSC) 裝置，例如隨身碟和 USB HDD。 (不支援 HUB。)
- 某些 USB HDD 裝置、多卡讀卡器及隨身碟可能與本播放機不相容。
- 如果某 USB 裝置需要過多功率，則它可能會受到電路安全裝置的限制。
- 如果從 USB HDD 播放不穩定，請透過將 HDD 插入到牆上插座來提供額外的電源。如果問題仍然存在，請與 USB HDD 製造廠商聯絡。
- 必須使用「**安全地卸載USB**」功能移除 USB 儲存裝置，以防可能損壞 USB 記憶體。
  按 **HOME** 按鈕移至主螢幕，按**黃色 (C)** 按鈕，然後按 ↵ 按鈕。
- 對於任何資料檔案損壞或資料遺失，SAMSUNG 不承擔任何責任。
- 本播放機不支援 NTSF 壓縮檔案、備用檔案或加密的檔案。
- 可以在桌上型電腦上修復或格式化 USB 裝置。 (僅限 MS-Windows 作業系統)

視訊檔案支援

副檔名	容器	視訊轉碼器	音頻轉碼器	解析度
*.avi	AVI	DivX 3.11/4/5/6	MP3 Dolby Digital DTS WMA PCM	1920x1080
		MP4v3		1920x1080
		H.264 BP/MP/HP		1920x1080
*.mkv	MKV	VC-1 AP	MP3 Dolby Digital DTS	1920x1080
		H.264 BP/MP/HP		1920x1080
*.wmv	WMV (wmv9)	VC-1 AP	WMA	1920x1080
		VC-1 SM		1920x1080
*.mp4	MP4	MP4 (mp4v)	AAC	1920x1080
		H.264 BP/MP/HP		1920x1080
*.mpg *.mpeg	PS	MPEG1	MP1, 2 Dolby Digital DTS	1920x1080
		MPEG2		1920x1080
		H.264 BP/MP/HP		1920x1080

▪ 限制

- 即使檔案由上方提到的受支援轉碼器編碼，如果其內容有問題，則該檔案也可能無法播放。
- 如果檔案的容器資訊錯誤或檔案本身損毀，則不能保證可以正常播放。
- 位元速率/幀速率高於標準的檔案在進行聲音/視訊播放時可能會斷斷續續。
- 如果檔案的索引表格損壞，搜尋 (跳過) 功能便無法使用。

▪ 視訊解碼器

- 最高支援 H.264 Level 4.1和 AVCHD
- 不支援 H.264 FMO/ASO/RS、VC1 SP/MP/AP L4
- MPEG4 SP 和 ASP：
  低於 1280 x 720： 最高 60 幀
  高於 1280 x 720： 最高 30 幀
- 不支援 GMC 2 或更高版本

▪ 音訊解碼器

- 支援 WMA 7、8、9 和 STD
- 不支援 22050Hz 單聲道的 WMA 取樣率
- AAC： 最高取樣率： 96Khz (8、11、12、16、22、24、32、44.1、48、64、88.2、96) 最高位元速率： 320kbps。

音樂檔案支援

副檔名	容器	音頻轉碼器	支援範圍
*.mp3	MP3	MP3	-
*.wma	WMA	WMA	* 取樣率 (kHz) - 8、11、16、22、32、44.1 和 48 * 位元速率 - 在 5kbps 到 355kbps 範圍內的所有位元速率

圖片檔案支援

副檔名	類型	解析度
*.jpg *.jpeg *.jpe	JPEG	15360x8640
*.png	PNG	15360x8640

AVCHD（先進視訊轉碼器高解像度）

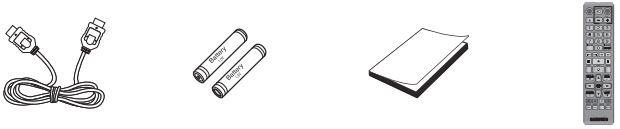
- 本播放機可以播放 AVCHD 格式的光碟。
  這些光碟一般在攝錄放影機中錄製和使用。
- AVCHD 格式是高解像度數位視訊相機格式。
- MPEG-4 AVC/H.264 格式以高於常見影像壓縮格式效率高的效率壓縮影像。
- 部分 AVCHD 光碟片使用 "x.v.Color" 格式。 本播放機可以播放使用 "x.v.Color" 格式的 AVCHD 光碟。
- "x.v.Color" 是 Sony Corporation 的商標。
- "AVCHD" 和 AVCHD 標誌是 Matsushita Electronic Industrial Co., Ltd. 和 Sony Corporation 的商標。

✎ **附註**

- 一些 AVCHD 格式光碟可能不能播放，具體視錄製條件而定。
  AVCHD 格式的光碟需要最終化。
- "x.v.Color" 提供的色彩範圍比一般 DVD 攝錄放影機光碟片的色彩範圍廣。

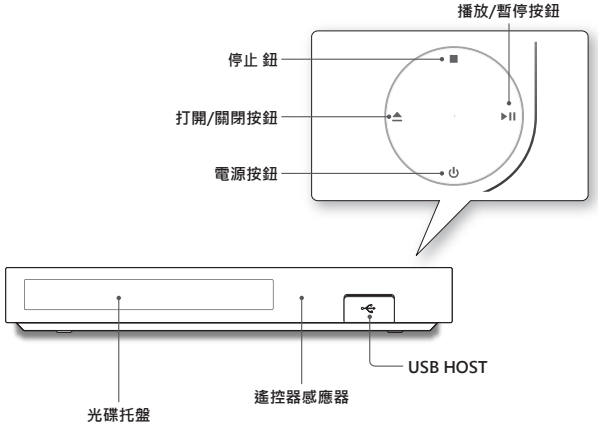
配件

請檢查下列隨附的配件。



HDMI 電纜	用於遙控器的電池（AAA 號）	使用手冊	遙控器

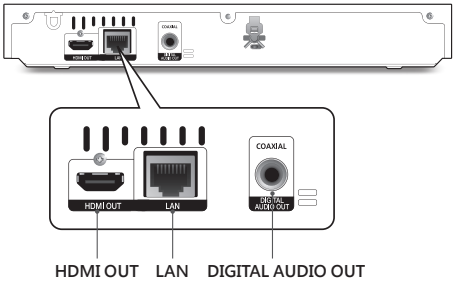
前面板



✎ **附註**

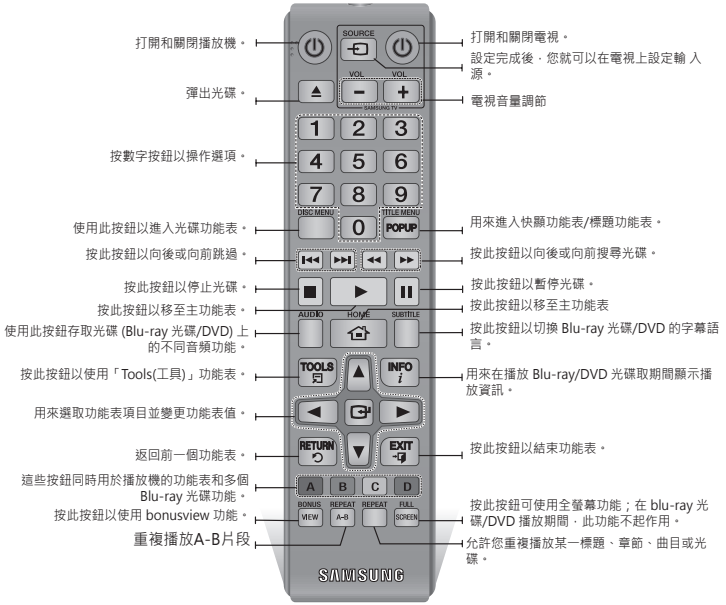
- 播放機顯示 Blu-ray 光碟功能表時，不能透過按播放機或遙控器上的「播放」按鈕來開始播放影片。 要播放影片，必須在光碟功能表中選取「播放影片」或「開始」，然後按 ⮐ 按鈕。
- 使用 USB Host 插孔進行軟件升級只能使用 USB 快閃記憶棒進行。

後面板

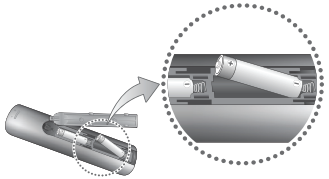


遙控器

遙控器功能描述



安裝電池



附註

- 如果遙控器不能正常工作：
  - 請檢查電池的極性 (+/–)是否安裝正確。
  - 請檢查電池是否耗盡。
  - 請檢查遙控器感應器是否被異物阻擋。
  - 請檢查產品附近是否有熒光干擾。

注意

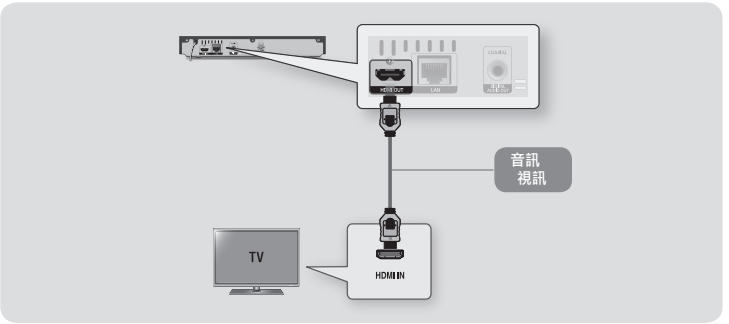
- 請按照當地的環境法規處理電池。不要將它們與家庭垃圾放在一起。

連接

連接到電視

將 HDMI 電纜從產品背面的 HDMI OUT 插孔連接到電視的 HDMI IN 插孔。

- 在連接好所有接線之前，不要將電源線連接至牆上插座。
- 當您變更連線時，請先關閉所有裝置再開始。



附註

- 如果使用 HDMI 至 DVI 電纜來連接到顯示裝置，則您還必須將播放機上的 Digital Audio Out 連接至音訊系統才能聽到音訊。
- HDMI 電纜輸出數位視訊和音訊，因此不需要連接音訊電纜。
- 視您的電視而定，某些 HDMI 輸出解像度可能不起作用。請參閱電視的使用手冊。
- 當使用 HDMI 電纜將播放機連接至電視或新電視，然後第一次開啟電視時，播放機會自動將 HDMI 輸出解像度設定為電視支援的最高解像度。
- HDMI 電纜線很長可能會導致螢幕雜訊。如果出現這種情況，請將「HDMI 深色」設定為「關閉」。
- 若要以 HDMI 720p、1080i 或 1080p 輸出模式觀看視訊，則必須使用高速（類別 2）HDMI 電纜。
- HDMI 僅將純數位訊號輸出到電視。
  如果電視不支援 HDCP（高頻寬數位內容保護），畫面上將出現雪花噪訊。

連接到音訊系統

您可以使用下面說明的其中一種方法，將 Blu-ray 播放機連接到音訊系統。

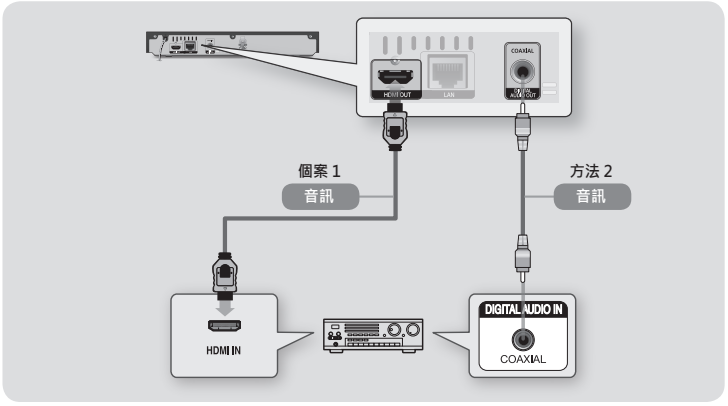
- 在連接好所有接線之前，不要將電源線連接至牆上插座。
- 當您變更連線時，請先關閉所有裝置再開始。

方法 1 連接到支援 HDMI 的 AV 接收器

- 將 HDMI 電纜從產品背面的 HDMI OUT 插孔連接到接收器的 HDMI IN 插孔。
- 最佳品質 (建議)

方法 2 連接到具有 Dolby Digital 或 DTS 解碼器的 AV 接收器

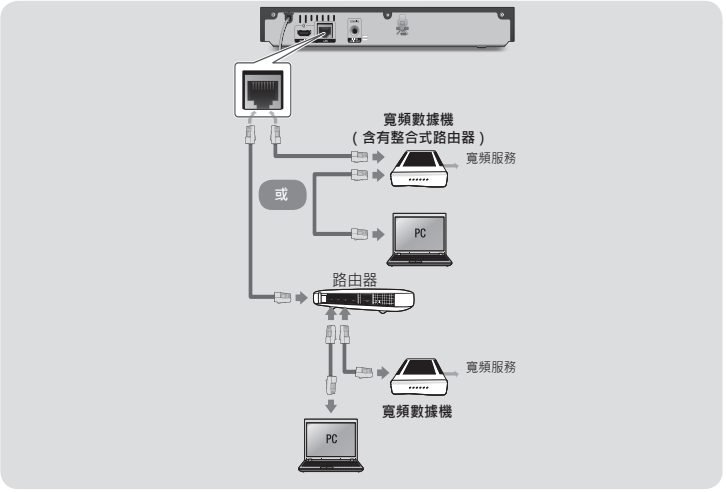
- 使用同軸電纜 (未包括)，將產品上的「同軸數位音訊輸出」插孔連接到接收器的「數位同軸輸入」插孔。
- 一般品質
- 當「數位輸出」設為 PCM 時，僅可從前面揚聲器聽到聲音。



連接到網路路由器

您可以使用下面說明的其中一種方法，將本播放機連接到網路路由器。
若要使用 DLNA 網路功能，必須按圖中所示將電腦連接到網路。

有線網路



✎ **附註**

- 可能不允許對 Samsung 的軟體更新伺服器進行網際網路，具體視您使用的路由器或 ISP 的政策而定。如需詳細資訊，請與 ISP (網際網路服務提供者) 聯絡。
- 對於 DSL 使用者，請使用路由器建立網路連線。

設定

初始設定程序

- 如果未配置初始設定，則除了下面說明的情況之外，主功能表不會出現。
- 升級軟體版本後，本播放機中的 OSD（螢幕顯示）可能會變更。
- 存取步驟可能會因選定的功能表而異。
- 此產品的載入程序完成之後, 可以操作面板按鈕和遙控器。

初始設定程序」可讓您設定 OSD 和功能表語言、配置與家庭網路的連線、選擇適合您的電視的畫面比例輸出（螢幕尺寸和格式）。

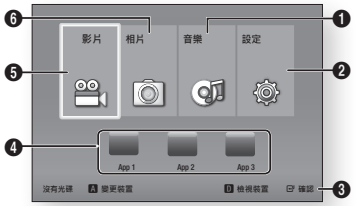
✎ **附註**

- 如果未配置初始設定，則除了下面說明 的情況之外，主功能表不會出現。
- 如果在網路設置期間按下 **藍色 (D)** 按鈕，則可以存取主功能表，即使網路設置尚未完成也是如此。
- 返回起始選單時，將自動取消全螢幕模式。
- 如果您希望再次顯示起始設定畫面以進 行變更，請在未放入光碟的情況下，按下播放機前面板打開/關閉按鈕 ■ 按鈕超過 5 秒。這會將播放機重設為其預設設定。
- 此產品的載入程序完成之後，隨即可以操作 HDMI-CEC 功能。
- I如果您要使用 Anynet+(HDMI-CEC) 功能，請依照下面的說明操作。1) 使用 HDMI 電纜將播放機連接至 Anynet+(HDMI-CEC) 相容 Samsung 電視。2) 在電視和播放機上將 Anynet+(HDMI-CEC) 功能設定為開。3) 將電視設定為「初始設定程序」。.
- 鐘沒有使用，屏幕保護程序將出現在電視上。 如果播放機停留在屏幕保護程序模式超過 25 分鐘，電源會自動關閉。

功能表導覽

❶	**HOME** 按鈕： 按此按鈕以移至主功能表。
❷	**RETURN** 按鈕： 返回前一個功能表。
❸	**(確認)/方向**按鈕： 移動游標或選取項目。 啟動目前選定的項目。 確認設定。
❹	**EXIT** 按鈕： 按此按鈕以結束功能表。

- **主功能表**



❶	選取音樂 。
❷	選取設定。
❸	顯示可以使用的按鈕。
❹	選取應用程式 。
❺	選取影片。
❻	選取相片。

✎ **附註**

- Videos（視訊）、Photos（相片）和 Music（音樂）選項需要您將相應的光碟放入播放機中，或將 USB 快閃裝置連接到播放機。

存取設定功能表

若要存取「設定」功能表或子功能表，請依照下面的步驟操作：

1. 按下 **POWER** 按鈕。 將出現主功能表。
2. 按 ◄► 按鈕選取 **設定**，然後按 ⏎ 按鈕。
3. 按下 ▲▼ 按鈕以選取所需的子功能表，然後按 ⏎ 按鈕。
4. 按下 ▲▼ 按鈕以選取所需的項目，然後按確認 按鈕。
5. 按 結束 按鈕結束功能表。

✎ **附註**

- 存取步驟可能會因選定的功能表而異。 升級軟體版本後，本播放機中的 OSD（螢幕顯示）可能會變更。

顯示

可以配置各種顯示選項，例如電視外觀比、解析度等等。

電視外觀比例

視您電視的類型而定，您可能要調校屏幕大小設定。

✎ **附註**

- 視光碟類型的不同，某些縱橫比可能不可用。
- 如果選取不同於電視縱橫比的縱橫比選 項，則圖像可能會變形。

BD Wise（僅限 Samsung 播放機）

BD Wise 是 Samsung 最新的內部連接功能。
透過 HDMI 使用 BD Wise 將 Samsung 播放機和 Samsung 電視互連，並且播放機和電視上皆有 BD Wise 時，播放機會以 Blu-ray Disc/DVD 的視訊解析度和幀速率輸出視訊。

✎ **附註**

- 動預設為 BD Wise，並且 BD Wise 會出現在「解析度」功能表中。
- 如果將播放機連接至不支援 BD Wise 的裝置，則不能使用 BD Wise 功能。
- 為了 BD Wise 正常操作，請在播放機和電視上都將 BD Wise 功能表設定為 **開啟**。

解像度

可讓您將 HDMI 視訊訊號的輸出解像度設定為 自動、1080p、1080i、720p、480p。 數字表示每幀的視訊行數。 i 和 p 分別表示逐行和隔行。 行數越高，品質越高。

根據輸出模式的解析度

- **Blu-ray 光碟/電子內容/數碼內容播放**

設定 \ 輸出	HDMI / 已連接	
	HDMI 模式	
	Blu-ray 光碟	電子內容/數碼內容
BD Wise	Blu-ray 光碟的解析度	1080p
自動	電視輸入的最大解析度	電視輸入的最大解析度
1080@60F (電影幀率：關閉)	1080@60F	1080@60F
電影幀:自動 (24Fs)	1080@24F	1080@24F
1080i	1080i	1080i
720p	720p	720p
480p	480p	480p

- **DVD 播放**

設定 \ 輸出	HDMI / 已連接
	HDMI 模式
BD Wise	480i
自動	電視輸入的最大解析度
1080p	1080p
1080i	1080i
720p	720p
480p	480p

✎ **附註**

- 如果連接至播放機的電視不支援電影幀或選取的解 析度，訊息「如果在選取「是」之後沒有顯示圖片，請等待 15 秒以恢復為之前的解析度。 您要變更解析度嗎？」將會出現。如果選取是，電視的螢幕空白 15 秒鐘，然後解析度將自動恢復為先前的值。
- 如果在變更解析度之後保留空白，請取出所有光碟，然後按住播放機前面的播 ■ 按鈕 5 秒鐘以上。 所有設定將恢複為出廠預設值。 遵循上一頁中的步驟訪問每種模式並選取電視將支援的顯示設定。
- 恢復出廠預設設定後，將會刪除所有已儲存的使用者 BD 資料。
- Blu-ray 光碟必須具有 24 幅率功能才能使用電影幀 (24F) 模式。

電影幀率 (24Fs)

將電影幀 (24Fs) 功能設定為自動可讓您將播放機的 HDMI 輸出調整為每秒 24 幀以改善畫質。
只能在支援此幅率的電視上享受電影幀 (24Fs) 功能。 只有播放機處於 HDMI 1080i 或 1080p 輸出解析度模式時，才能選取電影幀。

HDMI 色彩格式

可讓您設定 HDMI 輸出的色彩空間格式，以與所連接裝置 (電視，顯示器等) 的功能相符。

HDMI 深色技術

可讓您以深色 從 HDMI OUT 插孔輸出視訊。 深色提供更深的色度提供更精確的顏色再現。.

漸進模式

可讓您改善觀賞 DVD 時的畫面品質。

音頻

數碼輸出

可讓您選取適合您的電視或 AV 接收器的數位音訊輸出格式. 如需更多詳細資料，請參閱數碼輸出選取表格。

數碼輸出選取

設定		PCM		位元流 (未經處理)		位元流 (DTS 重新編碼)	位元流 (Dolby D 重新編碼)
連線		HDMI 接收	同軸	HDMI 接收	同軸	HDMI 接收或同軸	支援 HDMI 的 AV 接收器或同軸
Blu-ray 光碟上的音訊流	PCM	最多 7.1 聲道	PCM 2 聲道	PCM	PCM 2 聲道	重新編碼的 DTS	重新編碼的 Dolby Digital *
	Dolby Digital	PCM 2 聲道	PCM 2 聲道	Dolby Digital	Dolby Digital	重新編碼的 DTS	重新編碼的 Dolby Digital *
	Dolby Digital Plus	PCM 2 聲道	PCM 2 聲道	Dolby Digital Plus	Dolby Digital	重新編碼的 DTS	重新編碼的 Dolby Digital *
	Dolby TrueHD	PCM 2 聲道	PCM 2 聲道	Dolby TrueHD	Dolby Digital	重新編碼的 DTS	重新編碼的 Dolby Digital *
	DTS	PCM 2 聲道	PCM 2 聲道	DTS	DTS	重新編碼的 DTS	重新編碼的 Dolby Digital *
	DTS-HD HRA	PCM 2 聲道	PCM 2 聲道	DTS-HD HRA	DTS	重新編碼的 DTS	重新編碼的 Dolby Digital *
	DTS-HD MA	PCM 2 聲道	PCM 2 聲道	DTS-HD MA	DTS	重新編碼的 DTS	重新編碼的 Dolby Digital *
DVD 上的音訊流	PCM	PCM 2 聲道	PCM 2 聲道	PCM 2 聲道	PCM 2 聲道	PCM 2 聲道	PCM 2 聲道
	Dolby Digital	PCM 2 聲道	PCM 2 聲道	Dolby Digital	Dolby Digital	Dolby Digital	Dolby Digital
	DTS	PCM 2 聲道	PCM 2 聲道	DTS	DTS	DTS	DTS
Blu-ray 光碟的清晰度	任意	將主要特徵音訊和 BONUSVIEW 音訊流一起解碼為 PCM 音訊，並新增 Navigation Sound Effects (導覽音效) 。		僅輸出主要特徵音訊，以便 AV 接收器可以解碼音訊位元流。 您將聽不到 BONUSVIEW 音訊或 Navigation Sound Effects (導覽音效) 。		將主要特徵音訊和 BONUSVIEW 音訊流一起解碼為 PCM 音訊，並新增 Navigation Sound Effects (導覽音效) ，然後將 PCM 音訊重新編碼為 DTS 位元流。	將主要特徵音訊和 BONUSVIEW 音訊流一起解碼為 PCM 音訊，並新增 Navigation Sound Effects (導覽音效) ，然後將 PCM 音訊重新編碼為 Dolby digital 位元流。

* 如果 Source Stream 是 2 聲道，則不會套用「Dolby D 重新編碼」設定。

Blu-ray 光碟可能包括三種音訊流：

- 主要特徵音訊： 主要特徵的音訊聲道。
- BONUSVIEW 音訊： 附加聲道，例如導演或演員的註解。
- 導覽音效： 選擇一些功能表導覽時，導覽音效可能會發出聲音。 導覽音效在每張 Blu-ray 光碟上各不相同。

✎ **附註**

- 請務必選取正確的 Digital Output，否則將聽不到聲音或只聽到很大聲的雜音。
- 如果 HDMI 裝置（AV 接收器，電視）與壓縮的格式 (Dolby digital, DTS) 不相容，則音訊信號輸出為 PCM。
- 一般 DVD 沒有 BONUSVIEW 音訊和 Navigation Sound Effects（導覽音效）。
- 一些 Blu-ray 光碟沒有 BONUSVIEW 音訊和 Navigation Sound Effects（導覽音效）。
- 如果播放 MPEG 音訊聲道，則音訊訊號將輸出為 PCM，而不管 Digital Output Selections 設為什麼 (PCM 或 Bitstream)。
- 如果您的電視與壓縮多聲道格式 (Dolby Digital, DTS) 不相容，則播放機可能會輸出 PCM 2 聲道向下採樣的音訊，即使將在設定功能表上選取了 Bitstream (Re-encoded 或 Unprocessed) 也是如此。
- 如果您的電視與超過 48kHz 的 PCM 採樣不相容，則播放機可能會輸出 48kHz 向下採樣的 PCM 音頻，即使將 PCMDownsampling 設定為**關閉**也是如此。

PCM 向下採樣

可讓您選擇讓 96Khz PCM 訊號向下採樣為 48Khz，然後再將它們輸出到擴音機。 如果擴音機或接收器與 96Khz 訊號不相容，請選擇「開啟」。

動態範圍控制

可讓您將動態範圍控制套用至 Dolby Digital、Dolby Digital Plus 和 Dolby True HD 音訊。

- **自動**： 根據 Dolby TrueHD 聲道中的資訊，自動控制 Dolby TrueHD 音訊的動態範圍。 對於 Dolby Digital 和 Dolby Digital Plus，還會開啟動態範圍控制。
- **關閉**： 保持不壓縮動態範圍，以讓您聽到原始聲音。
- **開啟**： 對於所有三種 Dolby 格式，開啟動態範圍控制。 讓較安靜的聲音大聲一些，並降低較大聲音的音量。

縮混模式

可讓您選取與您的立體聲系統相容的多聲道縮混方法。 您可以選擇將播放機縮混成普通立體聲或兼容環繞音的立體聲。

網絡

請聯絡 ISP，瞭解您的 IP 位址是靜態的還是動態的。 如果 IP 位址是動態的，建議您使用 Auto 設定。 這是最簡單的方式，適用於大多數情況。 如果 IP 位址是靜態的，您必須執行手動設定程序。

✎ **附註**

- 此机只能连接到网络 通过有线连接.

有線網絡設定

1. 在起始選單中，按 ◄► 按鈕選擇 **設定**，然後按下然後按 ⏎ 按鈕。
2. 按下 ▲▼ 按鈕選擇 **網絡**，然後按下 然後按 ⏎ 按鈕。
3. 按下 ▲▼ 按鈕選擇 **有線網絡設定**，然後按下 然後按 ⏎ 按鈕。有線網路設定螢幕將會出現

4. 在 互聯網協議設定 欄位中，如果尚未選取 **自動**，則選取它。（按 ⏎ 選取 **自動**，然後按 ⏎）。
5. 自動功能會自動取得並填寫 **IP 地址**、**子網絡遮罩** 等的值。

✎ **附註**

- 此程序可能會持續五分鐘。

6. **RETURN** 按鈕。 然後執行網路測試，確保播放機已連線至網路 。
7. 選取 **網路測試**，然後按 ⏎ 以確保播放機已連接至網路。
8. 網路測試 完成後，按 **RETURN** 兩次以返回到主功能表。 手動網路設定
9. 如果網路功能未取得網路值，或您選擇了 Manual，請參閱手動設定的指導。

手動網路設定

在開始手動網路設定之前，您需要網路設定值。

若要進入播放機的網路設定，請依照下面的步驟操作：

1. 在起始選單中，按下 ◄► 按鈕選擇 **設定**，然後按 ⏎ 按鈕。
2. 按下 ▲▼ 按鈕選擇 **網絡**，然後按下 確認 按鈕。
3. 按下 ▲▼ 按鈕選擇 **有線網絡設定**，然後按 ⏎ 按鈕。有線網路設定 螢幕將會出現
4. 在 互聯網協議設定 畫面上，然後按 ⏎ 按鈕
5. 按下 ▲▼ 按鈕選擇 **手動**，然後按 ⏎ 按鈕。
6. 按下 ▼ 按鈕移至第一個輸入欄位 (IP Address)。
7. 使用遙控器上的數字按鈕輸入數字。
8. 在一個欄位中輸入數字後，使用 ► 按鈕依序移至下一個欄位。您也可以使用其他箭頭按鈕來上移、下移和後移。
9. 輸入 **IP 地址**、**子網路遮罩 等的值** 和 **閘道** 的值。
10. 按下 ▼ 按鈕移至 **DNS**。
11. 按下 ▼ 按鈕移至第一個 DNS 輸入欄位。
12. 按照以上所述輸入數字。
13. 按下遙控器上的 **RETURN** 按鈕。
14. 執行網路測試，確保播放機已連線至 網路 。

網路測試

使用此選單可以連線至有線網路，或檢查您的網路連線是否正確。

網絡狀態

檢查是否已建立網路與網際網路的連線。

BD-LIVE 互聯網連接

設定這個選項以在使用 BD-LIVE 服務時，允許或禁止網際網路連線。

- **允許(所有)**： 將對所有 BD-LIVE 內容允許網際網路連線。
- **允許 (僅限有效)**： 僅對於包含有效證書的 BD-LIVE 內容允許網際網路連線。
- **禁止**： 將對所有 BD-LIVE 內容都不允許網際網路連線。

✎ **附註**

- **甚麼是有效的證書？**
  當播放機使用 BD-LIVE 來將光碟資料和要求傳送至伺服器以認證光碟時，伺服器使用所傳送的資料來檢查該光碟是否有效，並將證書傳回給產品。
- 使用 BD-LIVE 內容時，網際網路連線可能會受到限制。

使用 BD-LIVE™

將播放機連接到網路後，您可以使用 BD-LIVE 相容光碟享受各種與電影相關的服務內容。

1. 將 USB 記憶棒插入播放機側邊的 USB 插孔，然後檢查其剩餘記憶體。 記憶體裝置至少要有 1GB 可用空間才能容納 BD-LIVE 服務。
2. 插入支援 BD-LIVE 的 Blu-ray 光碟。
3. 從光碟製造商提供的各種 BD-LIVE 服務內容中選取項目。

✎ **附註**

- 使用 BD-LIVE 和提供的內容的方式可能會因光碟製造商而異。

使用 DLNA 功能

DLNA 可讓您播放位於電腦、 相容的手機或播放機上 NAS 相容的音樂、視訊和相片檔案。

若要將 DLNA 與播放機搭配使用，則必須將播放機連接到網路（請參閱第 11~12 頁）。
若要將 DLNA 與電腦搭配使用，則必須在電腦上安裝 DLNA 軟體。

如果您有與 或 NAS，則可以直接使用 DLNA，無須其他軟體。

若要下載 DLNA 軟體：

1. 造訪 www.samsung.com。
2. 按一下「服務資訊」>「下載中心」，在出現的欄位中輸入播放機的產品編號，然後按一下「看所有結果」。
3. 在下一個螢幕上，按一下 Get Downloads under the Downloads menu（從下載功能表取得下載項目）。
4. 在下一頁上按一下 Software（軟體）。
5. 按一下File（檔案）下 DLNA 行中的圖示以開始下載。

系統設置

初始設置

透過使用 初始設定 功能，您可以設定語言、網路設定等等。
如需 初始設定 功能的詳細資訊，請參閱本使用手冊的 初始設定 小節。 （請參閱第 9 頁）

快速啟動

可讓您將播放機設定為透過縮短啟動時間而快速開啟。.

✎ **附註**

- 如果將此功能設定為開啟，待機電源消耗將會提高。

Anynet+(HDMI-CEC)

Anynet+ 是一種方便功能，它提供與其他帶有 Anynet+ 功能的 Samsung 播放機的連結操作。
要操作此功能，請使用 HDMI 電纜將本播放機連接到 Samsung 電視。
Anynet+ 設定為 on 時，您可以使用 Samsung 電視遙控器操作本播放機，並且只需按電視遙控器上的**播放**（▶）按鈕就可以開始播放光碟。
如需詳細資訊，請參閱電視使用手冊。

✎ **附註**

- 如果 HDMI 電纜線不支援 CEC，就不能使用此功能。
- 如果您的 Samsung 電視具有 Anynet+ 標誌，則它支援 Anynet+ 功能。
- 視您的電視而定，某些 HDMI 輸出解析度可能不起作用。
  請參閱電視的使用手冊。
- 關閉產品之後，重新拔插電源線可讓它自動開機。 一小會之後，它會在大約 15 秒鐘內自動關閉以重新建立 Anynet+ 連線。
- 對於某些電視產品，如果透過 Anynet+ 功能連接至此產品，開啟電視時可能會顯示一則警告快顯訊息，說明找不到連線。 然而，Anynet+ 連線仍已正確建立並可供使用。

BD 資料管理

可讓您管理下載的內容，這些內容透過支援 BD-LIVE 服務的 Blu-ray 光碟存取，並儲存在連接的快閃記憶體裝置上。

可以檢查裝置資訊（包括儲存媒體大小）、刪除 BD 資料或變更快閃記憶體裝置。

✎ **附註**

- 在外部記憶體模式中，如果在播放期間斷開 USB 裝置的連接，光碟播放將會停止。
- 本播放機支援 FAT16、FAT32 和 NTFS 檔案系統。 建議使用支援 USB 2.0 通訊協定、4 MB/秒或更快讀/寫速度的 USB 裝置。
- 「恢復播放」功能在格式化儲存裝置後可能不工作。
- 「BD 資料管理」可使用的總記憶體可能會因條件而異。

DivX® 隨選視頻

檢視 DivX® VOD 註冊碼以購買和播放 DivX® VOD 內容。

語言

可以選取偏好用於主功能表、光碟功能表等的語言。

✎ **附註**

- 選取的語言只有在光碟上受支援時才會出現。

安全性

如果您是首次操作此選單，則會顯示密碼設定畫面。請使用數字按鈕輸入所需的 4 位密碼。

BD 家長分級控制

除非輸入密碼，否則禁止播放特定年齡等級的 Blu-ray 光碟。

DVD 家長分級控制

此功能與已指定年齡等級或數字等級（指示內容的成熟程度）的 DVD 配合使用，並可以幫助您控制家人觀賞的 DVD 類型。 這些數字可以幫助您控制家人可以觀賞的 DVD 類型。選擇表示等級的數字時，您應選擇希望播放機可以播放的最高等級數。 例如，如果您選擇了等級 6，則播放機會播放等級不超過 6 的光碟，但不會播放等級為 7 或 8 的光碟。數字越大，內容成熟程度越高。

更改密碼

變更用於存取安全功能的 4 位密碼。

如果您忘記了您的密碼

1. 取出光碟。
2. 按住前面板上的 ■ 按鈕 5 秒鐘以上。所有設定將恢復為出廠設定。

✎ **附註**

- 恢復出廠預設設定後，將會刪除所有使用者已儲存的 BD 資料。

一般

時區

您可以指定適合您所在地區的時區。

支援

軟件升級

「軟體升級」功能表可讓您升級播放機的軟體以改良效能或取得其他服務。 您可以採用四種方法來升級：

從網絡中下載

若要透從網絡中下載升級，請依照下面的步驟操作：

1. 選取 **從網絡中下載**，然後按 ⏎ 按鈕。「正在連接至伺服器」訊息便會出現。
2. 如果有更新可用，一則快顯訊息將會出現
3. 如果您選取 **是**，下載程序將會開始。（在升級期間，切勿開啟播放機。）
4. 更新完成後，播放機會自動重新啟動。

✎ **附註**

- 當播放機重新啟動後關閉時，更新已完 成。 請按下 **POWER** 按鈕開啟更新後 的播放機，以進行使用。
- 在執行更新程序期間，切勿手動關閉或 開啟播放機。
- 對於在軟體升級期間，由於網際網路連 線不穩定或消費者的疏忽而導致的播放 機故障，Samsung Electronics 不承擔 任何法律責任。
- 使用 從網絡中下載 插孔來升級軟體時，光碟托盤必須是空的。

從USB下載

若要使用 從USB下載 來升級，請依照下面的步驟操作：

1. 請造訪 www.samsung.com/bluraysupport
2. 將最新的 USB 軟體升級 zip 保存檔下載到電腦。
3. 將該 zip 保存檔解壓縮到電腦。 應該使用與 zip 檔案同名的單一 RUF 檔
4. 將該RUF 檔複製到 USB 快閃磁碟中。
5. 請確保光碟托盤是空的，然後將 USB 快閃磁碟插入到播放機的 USB 埠中。
6. 在播放機的功能表中，設定 > 支援 > 軟體升級。
7. 選取 **從USB下載** 。

✎ **附註**

- 使用 USB Host 插孔來升級軟體時，光碟托盤必須是空的。
- 軟體升級完成後，請在「軟體升級」功能表中檢查軟體詳情。
- 在軟體升級期間，切勿關閉播放機。否則會導致播放機運作失常。
- 使用 USB Host 插孔進行軟體升級必須只使用 USB 快閃記憶棒進行。

自動升級通知

如果您已將播放機連接至網路，然後將 自動升級通知 設定為 開，則當有播放機的新軟體版本可用時，播放機會通知您。

若要將 自動升級通知 設定為 開，請執行下列步驟：

1. 選取 **自動升級通知**，然後按 ⏎ 按鈕。
2. 使用 ▲▼ 按鈕選取 **開啟**，然後按 ⏎ 按鈕。

如果有新的軟體版本可用，播放機會透過快顯訊息通知您。

1. 若要升級韌體，請在快顯訊息上選取 **是**。產品將自動關閉，然後重新啟動，接 著開始下載。（此時切勿手動打開產品。）
2. 將顯示更新進度彈出式訊息。
3. 完成更新後，播放機將再次自動關閉。
4. 按下 **POWER** 按鈕開啟播放機。

✎ **附註**

- 當播放機重新啟動後關閉時，更新已完 成。 請按下 **POWER** 按鈕開啟更新後的播放機，以進行使用。
- 在執行更新程序期間，切勿手動關閉或開啟播放機。
- 對於在軟體升級期間，由於網際網路連 線不穩定或消費者的疏忽而導致的播放機故障，Samsung Electronics 不承擔任何法律責任。

聯絡 Samsung

提供聯絡資訊以協助您使用播放機。

服務合約條款

查看有關第三方的內容及服務的一般性免責聲明。

重設

除了網路和 所有設定都將恢復為預設值。

媒體播放

播放商業錄製的光碟

1. 按 ⏏ 按鈕以開啟光碟托盤。
2. 輕輕將光碟放入托盤，光碟的標籤朝上。
3. 按 ⏏ 按鈕以關閉光碟托盤。 播放將自動開始。

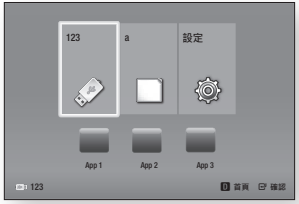
播放 USB 裝置上的檔案

您可以播放位於 USB 儲存裝置上的多媒體檔案。

1. 移到主功能表。
2. 在停止模式中，將 USB 儲存裝置連接到產品 前面板上的 USB 埠。將會顯示訊息「是否要變更裝置？」。
3. 按下◄► 按鈕選擇 **Yes**，然後按 ⏎ 按鈕。
4. 如果 Blu-ray 播放機中有光碟，**請按紅色 (A) 或藍色** (D) 按鈕。
   如果沒有，請移至步**驟 6**。
   如果您按下 **紅色 (A)** 按鈕，請移至**步驟 5**。 如果您按下 **藍色 (D)** 按鈕，請移至**步驟 4**-1。
5. 按下 ▲▼ 按鈕選擇 **USB**，然後按 ⏎ 按鈕。

6. 按下 ◄► 按鈕選擇所需的視訊、音樂或相片，然後按 ⏎ 按鈕。 移至**步驟 7**。

4-1. 按下 **藍色 (D)** 按鈕，將顯示以下畫面。 移至**步驟 5**-1。



5-1. 按下 ◄► 按鈕選擇 **USB**，然後按 ⏎ 按鈕。

6-1. 按下 ▲▼ 按鈕選擇所需的視訊、音樂或 相片，然後按下 確認 按鈕。

7. 將會出現一個畫面，其中列出裝置的內容。 視內容的排列方式而定，您將看到資料夾及/或個別檔案。
8. 必要時，使用 ▲▼◄► 按鈕選取資料夾，然 後按 ⏎ 按鈕。

9. 使用 ▲▼◄► 按鈕選取要觀看或播放的檔案，然後按 [E] 按鈕。

✎ **附註**

- 雖然播放機可以顯示所有內容類型的資料夾，但是 它僅顯示您在步驟 6 或 6-1 中選取之內容類型的檔案。例如，如果您選取了音樂，您只能看到音樂檔案 您可以透過回到 Home（首頁）畫面並重複步驟 4 來變更此選項。

10. 按 **RETURN**（返回）按鈕一次以上結束目前的畫面、結束資料夾或回到 Home（首頁）畫面。 按 **EXIT**（結束）按鈕以直接回到 Home（首頁）畫面。

✎ **附註**

- 必須安全移除 USB 儲存裝置（透過執行「安全地卸載USB」功能），以防可能損壞 USB 記憶體。 按 **HOME** 按鈕移至主功能表，然後選取**黃色 (C)** 按鈕，然後按 [E] 按鈕。
- 如果在播放 USB 儲存裝置時插入光碟，裝置模式將自動切換為「Blu-Ray，DVD 或 CD」。

播放具有使用者錄製的內容的光碟

您可以播放您錄製在 Blu-ray、DVD 或 CD 光碟 上的多媒體檔案。

1. 將使用者錄製的光碟放入光碟托盤中，光碟 的標籤朝上，然後關閉托盤。「已連接裝 置」快顯視窗將會出現。
2. 使用 ◄► 按鈕選取要觀看或播放的內容類型 - 相片、視頻、音樂或所有內容 - 然後按 [E] 按鈕。

✎ **附註**

- 雖然播放機可以顯示所有內容類型的資料夾，但是 它僅顯示您在步驟 2 中選取之內容類型的檔案。例 如，如果您選取了音樂，您只能看到音樂檔案 您可以透過回到 Home（首頁）畫面並重複步驟 2 來變更此選項。

3. 將會出現一個畫面，其中列出裝置的內容。 視內容的排列方式而定，您將看到資料夾及/或個別檔案。
4. 必要時，使用 ▲▼◄► 按鈕選取資料夾，然 後按 [E] 按鈕。
5. 使用 ▲▼◄► 按鈕選取要觀看或播放的檔 案，然後按 [E] 按鈕。
6. 按 **RETURN**（返回）按鈕一次以上結束目前的畫面、結束資料夾或回到 Home（首頁）畫面。 按 **EXIT**（結束）按鈕以直接回到 Home（首頁）畫面。

播放位於 PC 中的內容

若要在 Blu-ray 光碟播放機上播放位於 PC 中的內容，您必須將 Blu-ray 播放機連接到網路並在 PC 上安裝 DLNA 軟體。

播放 PC 中的內容

1. 移到主功能表。
2. 按遙控器（裝置）上的**藍色 (D)** 按鈕.
3. 在隨後出現的 Device（裝置）畫面中，選取 PC。 然後按 [E] 按鈕。
4. 使用 ◄► 按鈕選取要觀看或播放的內容類型 - 相片、視頻、音樂或所有內容 - 然後按 [E] 按鈕。

✎ **附註**

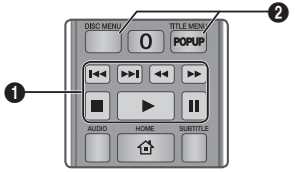
- 雖然播放機可以顯示所有內容類型的資料夾，但是 它僅顯示您在步驟 4 中選取之內容類型的檔案。例 如，如果您選取了音樂，您只能看到音樂檔案 您可以透過回到 Home（首頁）畫面並重複步驟 4 來變更此選項。

5. 將會出現一個畫面，其中列出裝置的內容。 視內容的排列方式而定，您將看到資料夾及/或個別檔案。
6. 必要時，使用 ▲▼◄► 按鈕選取資料夾，然 後按 [E] 按鈕。
7. 使用 ▲▼◄► 按鈕選取要觀看或播放的檔 案，然後按 [E] 按鈕。
8. 按 **RETURN**（返回）按鈕一次以上結束目前的畫面、結束資料夾或回到 Home（首頁）畫面。 按 **EXIT**（結束）按鈕以直接回到 Home（首頁）畫面。

控制視訊播放

您可以控制位於 Blu-ray、DVD、CD 、 USB 儲存裝置上的視訊內容的播放 或 選取 PC。視光碟而定，本手冊中說明的一些功能可能無法使用。

遙控器上用於播放視訊的按鈕



1 與播放相關的按鈕

在「搜尋」、「慢動作播放」和「逐個動作播放」模式下，播放機不會播放聲音。

- 要恢復正常速度播放，請按 ▶ 按鈕。

▶ 按鈕	開始播放。
■ 按鈕	停止播放。
❚❚ 按鈕	暫停播放。
快動作播放	在播放期間，按 3 或 4 按鈕。 每次按 3 或 4 按鈕，播放速度都會變更。
慢動作播放	在暫停模式中，按 ▶▶ 按鈕。 每次按 ▶▶ 按鈕按鈕，播放速度都會變更。
逐個動作播放	在暫停模式中，按 ❚❚ 按鈕。 每次按 ❚❚ 按鈕，都會出現新的一幀。
跳過動作播放	在暫停模式中，按 ⏮ 或 ⏭ 按鈕。 每次按 ⏮ 或 ⏭ 按鈕，光碟都會移至上一個章節/檔案或下一個章節/檔案。

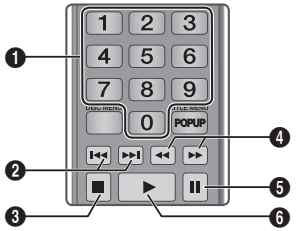
2 使用光碟功能表、標題功能表、快顯功能表和標題清單

DISC MENU 按鈕	在播放期間，按此按鈕可以啟動光碟功能表功能。
TITLE MENU 按鈕	在播放期間，按此按鈕可以啟動標題功能表功能。
POPUP MENU 按鈕	在播放期間，按此按鈕可以啟動快現標題功能表功能。

控制音樂播放

您可以控制位於 Blu-ray 、CD 、DVD、USB、或電腦上的音樂內容的播放。

遙控器上用於播放音樂的按鈕



❶	**數字按鈕**：在播放清單播放期間，按所需的曲目編號。 將會播放選取的曲目。
❷	**跳過**：在播放期間，按 ⏮ 或 ⏭ 按鈕移至播放清單的上一頁或下一頁。
❸	■ **按鈕**：停止曲目。
❹	**快速播放**（僅限音訊 CD (CD-DA)） 在播放期間，按 ◀◀ 或 ▶▶ 按鈕。 每次按 ◀◀ 或 ▶▶ 按鈕，播放速度都會變更。
❺	**暫停**：暫停曲目。
❻	▶ **按鈕**：播放當前選取的曲目。

重複音訊 CD (CD-DA)/MP3

1. 在播放清單播放期間，按 **TOOLS** 按鈕。

2. 按 ◄► 按鈕選取 **曲目**, **全部**, **隨機式**, 或 **關閉**.
3. 按 ⏎ 按鈕。

關閉	將以錄製的順序播放歌曲。
(↻) 曲目	重複目前的歌曲。
(↻) 全部	重複所有歌曲。
(⤮) 隨機式	隨機選項會隨機播放歌曲。

播放清單

1. 若要移至「音樂清單」，請按 5 或 **RETURN** 按鈕。
   「音樂清單」畫面將會出現。

2. 按 ▲▼◄► 按鈕移至所需的曲目，然後按 **黃色 (C)** 按鈕。鉤號將出現在該曲目上。
   重複此程序以選取其他曲目。
3. 若要從清單移除曲目，請移至曲目，然後再次按 **黃色 (C)** 按鈕 按鈕。
   將會取消曲目上的鉤號。
4. 完成後，按 ⏎ 按鈕。

5. 若要變更播放清單，請按 **Return**（返回）按鈕回到 Music List（音樂清單）。 重複步驟 2、3 和 4。
6. 若要取消播放清單並返回到 Home（首頁）畫面，請按 **Return**（返回）或 **Exit**（結束）按鈕。

✎ **附註**

- 可以在音訊 CD (CD-DA) 上建立最多含有 99 個曲目的播放清單。
- 如果您移除播放清單中的所有曲目，然後按 ↻ 按鈕，則播放機會列出並播放光碟上的所有曲目。

播放相片內容

您可以播放位於 BLU-RAY 、DVD、CD 、USB 儲存裝置上的相片內容 或 選取 PC。

使用工具功能表

在播放期間，按 **TOOLS** 按鈕。.

開始播放幻燈片	選取此項以開始播放幻燈片。
背景音樂	選取此項可在觀看幻燈片時收聽音樂。
縮放	選取此項以放大目前的圖片。（最多放大 4 倍）
旋轉	選取此項以旋轉圖片。（這會順時針或逆時針旋轉圖像。）
資訊	顯示圖片資訊。

✎ **附註**

- 視光碟或儲存裝置而定，「工具」功能表可能不相同。
- 若要啟用背景音樂功能，相片檔案與音樂檔案必須在相同的儲存媒體中。不過，聲音品質可能會受到 MP3 檔案的位元速率、相片的大小和編碼方法影響。
- 在全螢幕模式中，不能放大字幕和 PG 圖形。

附錄

故障排除

在請求服務前，請檢查下列內容。

問題	解決方案
遙控器無法執行任何操作。	• 檢查遙控器裡的電池。 它們可能需要更換。 • 在不超過 6.1 米的距離內操作遙控器。 • 取出電池，按住一個或多個按鈕幾分鐘以耗盡遙控器內部的微處理器，以便進行重設。 裝回電池，然後再次嘗試操作遙控器。 • 在內部無光碟的情況下，■ 按鈕（在前面板上）超過 5 秒鐘。 所有設定將恢復為出廠設定。 • 在內部無光碟的情況下，⏻ 按鈕（在前面板上）超過 5 秒鐘
無法播放光碟。	• 確定光碟安裝時，光碟的標籤面朝上。 • 檢查 Blu-ray 光碟/DVD 的區域代碼。
光碟功能表 沒有出現。	• 請確定該光碟具有光碟功能表。
禁止訊息出現在螢幕上。	• 按無效的按鈕時，此訊息就會出現。 • Blu-ray 光碟/DVD 軟體不支援此功能（例如，視角）。 • 您請求的標題、章節編號或搜尋時間超出範圍。
播放模式與 設定功能表 選擇不同。	• 如果光碟沒有相應功能的編碼，則在 設定功能表 中選定的功能可能不能正常工作。
屏幕比例無法更改。	• Blu-ray 光碟/DVD 上的 螢幕比例 是固定的。 • 這不是播放機運作失常。
無音訊。	• 請確定您已經在 音訊選項 功能表中選擇了正確的 數碼輸出。

問題	解決方案
屏幕訊號中斷	• 如果將 HDMI 輸出設定為電視不能支援的解析度 (例如 1080p) ，則在電視上可能看不到圖片。 • 在內部無光碟的情況下，■ 按鈕 (在前面板上) 超過 5 秒鐘。 所有設定將恢復為出廠設定。 • 恢復出廠預設設定後，將會刪除所有已儲存的使用者 BD 資料。
忘記密碼	• 在內部無光碟的情況下，■ 按鈕 (在前面板上) 超過 5 秒鐘。 所有的設定，包括密碼，將恢復為出廠設定。 除非絕對必要，否則不要使用此操作。 • 恢復出廠預設設定後，將會刪除所有已儲存的使用者 BD 資料。
畫面出現噪訊或失真	• 請確定光碟未弄髒或無刮痕。 • 清潔光碟。
無 HDMI 輸出。	• 檢查電視與播放機的 HDMI 插孔之間的連接。 • 檢查電視是否支援 480p、720p、1080i、1080p HDMI 輸入解析度。
異常 HDMI 輸出屏幕。	• 如果畫面上出現雪花噪訊，則表示電視不支援 HDCP (高頻寬數碼內容保護) 。
如果您遇到其他問題。	• 移到目錄，查找含有對當前問題解釋的使用手冊部分，然後再次遵照程序操作。 • 如果問題仍然無法解決，請聯絡距您最近的 Samsung 授權服務中心。
DLNA 功能	
我可以看到透過 DLNA 共用的資料夾，但是看不到檔案。	• DLNA 只顯示對應於 影像、音樂 和 電影 類別的檔案。 不會顯示不對應於這些類別的檔案。

問題	解決方案
視訊播放斷斷續續。	• 檢查網路是否穩定。 • 檢查網路電纜是否正確連接，以及網路是否超負荷。
電視與電腦之間的 DLNA 連線不穩定。	• 同一個子網路中的 IP 位址必須是唯一的。 如果不唯一，IP 干擾可能會導致此現象。 • 檢查是否啟用了防火牆。 若啟用，請停用防火牆功能。
BD-LIVE	
無法連接到 BD-LIVE 伺服器。	• 使用 網路狀態 功能表檢查網路連接是否成功。 • 檢查是否將 USB 記憶體裝置連接至播放機。 • 記憶體裝置至少要有 1GB 可用空間才能容納 BD-LIVE 服務。 可以在 BD 資料管理中檢查可用大小。 • 請檢查 BD-LIVE 網際網路連線 功能表是否設定為 允許(所有)。 • 如果上述所有原因都不正確，請與內容提供商聯絡或將播放機更新為最新的韌體。
使用 BD-LIVE 服務時發生錯誤。	• 記憶體裝置至少要有 1GB 可用空間才能容納 BD-LIVE 服務。 可以在 BD 資料管理中檢查可用大小。

✎ **附註**

- 恢復出廠預設設定後，將會刪除所有已儲存的使用者 BD 資料。

維修

如果您要與我們聯絡以維修播放機，則在下列情況下可能需要收取管理費：

1. 您致電工程師上門維修，但是產品無缺陷。
2. 您將裝置帶到維修中心維修，但是產品無缺陷。

我們在上門服務或開始修理播放機之前，我們將為您提供管理費用。
建議您通讀本使用手冊，在 www.samsung.com 上線上搜尋解決方案，或者與 Samsung 客戶中心聯絡，再將播放機送修。

規格

一般	重量	1.0 公斤
	尺寸	269 (寬) x 193 (深) x 39 (高) 毫米
	工作溫度範圍	+5℃ 至 +35℃
	工作濕度範圍	10 % 至 75 %
USB	類型 A	USB 2.0
	DC 輸出。	最大 5V 0.5 A。
HDMI	視訊	1080p, 1080i, 720p, 480p
	音訊	PCM，位元流音訊
音訊輸出	數碼音訊輸出	同軸
網路	乙太網路	100BASE-TX 外部

- 如果網路速度低於 10Mbps 則不受支援。
- 設計和規格可能會隨時變更，恕不另行通知。
- 如需電源和功耗資訊，請參閱貼在產品上的標籤。
- 重量和尺寸均為近似值。

符合性和相容性聲明

並非所有光碟都相容

- 根據下面所述的限制及本手冊中(包括本手冊中的「光碟類型和特性」一節) 說明的限制，可以播放的光碟類型有： 預先錄製的商業 BD-ROM、DVD-VIDEO 和音訊 CD (CD-DA) 光碟；BD-RE/-R、DVD-RW/-R 光碟；以及 CD-RW/-R 光碟。
- 上述光碟以外的光碟及/或不設計為使用本播放機播放。 並且由於下面提供的一個或多個原因，上述的一些光碟也可能無法播放。
- Samsung 不能保證本播放機可以播放帶有 BD-ROM、BD-RE/-R、DVD-VIDEO、DVD-RW/-R、DVD+RW/+R 和 CD-RW/-R 標誌的每張光碟，並且本播放機可能不能回應所有操作指令或操作每張光碟的所有功能。下面列出造成這些問題和其他光碟相容性以及播放機操作新格式或現有格式的光碟問題的可能原因：
  - Blu-ray 是新的且不斷發展的格式，且本播放機可能無法操作 Blu-ray 光碟的所有功能，因為一些功能可能是在生產本播放機後新增到 Blu-ray 光碟格式的選用附加功能，並且某些可用的功能可能會延後提供。
  - 本播放機並不支援所有新的和現有的光碟格式版本。
  - 可能會對新的和現有的光碟格式進行修正、變更、更新、改良及/或補充；
  - 一些光碟的生產方式使得在播放期間只允許特定或有限的操作和功能；
  - 帶有 BD-ROM、BD-RE/-R、DVD-VIDEO、DVD-RW/-R、DVD+RW/+R 和 CD-RW/-R 標誌的一些光碟可能仍然是非標準化光碟；
  - 一些光碟可能無法播放，具體視其實體狀態或錄製條件而定；
  - 在製作 Blu-ray 光碟、DVD 軟體及/或生產光碟時可能會出現問題和發生錯誤；
  - 本播放機的操作方式與其他標準 DVD 播放機或其他 AV 裝置不同。和/或
  - 出於本使用手冊說明的原因和 SAMSUNG 客戶服務中心發現和公佈的其他原因。
- 如果您遇到光碟相容性或播放機操作問題，請與 SAMSUNG 客戶中心聯絡。也可以與 SAMSUNG 客戶中心聯絡以取得本產品的可能更新。
- 有關播放限制以及光碟相容性的其他資訊，請參閱本使用手冊的「預防措施」、「在閱讀使用手冊之前」和「光碟類型和特性」等章節。

- **對於 Blu-ray 光碟播放機前進式掃描輸出**： 消費者應該注意到，並非所有高清晰度電視都與本產品完全相容，可能會導致畫面中顯示偽影。 如果出現逐行掃描畫面問題，建議使用者將連線切換為「標準清晰度」輸出。 如果您有關於我們的電視與本產品相容性的問題，請聯絡我們的客戶服務中心。

複製保護

- 因為已核准將 AACS（進階儲存內容系統）用作 Blu-ray 光碟格式的內容保護系統（類似於對 DVD 格式使用 CSS（內容加擾系統）），對受 AACS 保護的內容存在播放、類比信號輸出等特定限制。
  本產品的操作和對本產品的限制可能會因購買時間而異，因為在生產本產品之後，AACS 可能會採用及/或變更這些限制。 此外，BD-ROM 標記和 BD+ 另用作 Blu-ray 光碟格式的內容保護系統，它施加特定限制，包括對 BD-ROM 標記及/或 BD+ 受保護內容的播放限制。 若要取得 AACS、BD-ROM 標記、BD+ 或本產品的相關詳細資訊，請與 SAMSUNG 客戶中心聯絡。
- 許多 Blu-ray/DVD 都進行了編碼以達到複製保護的目的。 因此，僅直接將您的播放機與您的電視相連接，而不要連接到 VCR。 與 VCR 連接將導致受版權保護之 Blu-ray 光碟/DVD 光碟的畫面失真。
- 在美國著作權法和其他國家/地區的著作權法保護下，如果未經授權使用、顯示、散佈或修訂電視節目、錄影帶、Blu-ray 光碟、DVD 和其他材料，則您必須承擔民事及/或刑事責任。
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  Cinavia 技術的詳細資訊在 Cinavia 線上消費者資訊中心中提供，網址為：http://www.cinavia.com。若要透過郵件請求關於 Cinavia 的其他資訊，請將含有您的郵寄地址的明信片寄往： Cinavia Consumer Information Centre, P.O. Box 86851, San Diego, CA,92138, USA。本產品採用 Verance Corporation 許可的專利技術，並且受美國專利 7,369,677 和其他在美國及全球已頒發或正在申請的專利保護，並且此類技術的特定方面受版權和商業機密保護。 Cinavia 是 Verance Corporation 的商標。 Copyright 2004-2010 Verance Corporation. All rights reserved by Verance. 禁止還原工程或反向組譯。

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- 開源軟體許可注意事項
  - 使用開源軟體時，產品功能表上會有 開源軟體許可 項目。

- Blu-ray Disc™、Blu-ray™ 和標誌是 Blu-ray Disc Association 的商標。

- DLNA®、DLNA 標誌及 DLNA CERTIFIED® 是 Digital Living Network Alliance 的商標、服務標記或憑證標記。

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